CONSTRUCTION NEWS

Engineering News-Record, Feb. 11, 1926

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Hydro-electric Development, Seattle, Wash., City Light Dept. plan development, total, $14,000,000.

Road work, Des Moines, Iowa State Hy. Dept. plans road work in various counties, total $10,000,000.

Bridge, Rhode Island, Mt. Hope Bridge Comn., Providence, plan bridge, $6,000,000.

Street improvement, St. Louis, Mo., Bd. Pub. Serv. plans street work, $4,280,000.

Railway, Virginia, Louisville & Nashville R.R. Co. plans 13.87 mi., $5,287,000.

Railway, North Carolina-Southern Ry. plans grade reduction, $4,000,000.

Sewers, St. Louis, Mo., Bd. Pub. Serv. plans sewers, $2,789,900.

Paving, Milwaukee, Wis., Dept. Pub. Wks. plans paving, $2,500,000.

Theatre and office, Denver, Colo., United Theatres & Bldg. Co. having plans prepared, $2,000,000.

Dam, Texas, surveys being made for large dam and several smaller ones, $2,000,000.

Street improvement, New Orleans, La., Council plans street work, $2,000,000.

Hotel Tampa, Fla., Tampa Beach, Inc., plans building, $1,500,000.

Temple, Kansas City, Mo., Scottish Rite Temple Assn. having plans prepared, $1,500,000.

Office, Dallas, Tex., General Building Corp. having plans prepared, $1,500,000.

Clinic, Rochester, Minn., Mayo Clinic making plans, $1,500,000.

Bids Wanted On Big Jobs

Hall of Records, Newark, N. J., Mar. 3, by Essex Co., $2,100,000.

Bridge, Minneapolis, Minn., city soon takes bids, $1,100,000.

Large Contracts Let During Week

Terminal warehouse, Detroit, Mich., Coe Terminal Warehouse to Walbridge Aldinger Co., $3,000,000.

Waterworks, Ft. Smith, Ark., Ft. Smith Waterworks Dist. by day labor, $1,250,000 to $3,000,000.

Apartment, Chicago, Ill., Cornelia Building Corp. to Collins, Murphy & Jackson, $2,400,000.

Bank and Office, New York, N. Y., Oceanic Investing Co. to Caldwell-Wingate Co., $1,500,000.

Dormitories, Totowa, N. J., B. G. Lewis, Comr., for several contracts, total, $1,414,531.

Bridge, Washington, D. C., Arlington Memorial Bridge Comn. to H. P. Converse, $1,299,000.

Coliseum, Coral Gables, Fla., Coliseum Corp. to Thompson - Starrett Co., $1,000,000.

Lock and dam, Illinois, Dept. of Purchases and Construction, to Woods Bros. Constr. Co., $1,475,832.

PROPOSALS

For Proposals Advertised
see pages 130-133
Advertising Section

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 15	Ohiowa, Neb.	Jan. 28
Feb. 15	Wanamingo, Minn.	Feb. 4
Feb. 15	Cincinnati, O.	Feb. 11
Feb. 15	Spring Lake, N. J.	Feb. 11
Feb. 16	St. Paul, Minn.	Feb. 11
Feb. 16	Knoxville, Tenn.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 17	Baltimore, Md.	Feb. 11
Feb. 17	Halfway, Mich.	Feb. 11
Feb. 18	Lock Haven, Pa.	Jan. 28
Feb. 18	Buffalo, N. Y.	Feb. 11
Feb. 19	Long Island City, N. Y.	Feb. 11
Feb. 24	Willard, N. Y.	Jan. 21
Feb. 25	Potsdam, N. Y.	Feb. 4
Feb. 26	Dunkirk, N. Y.	Feb. 11
	Adv. Feb. 11.	
Mar. 1	Wenatchee, Wash.	Feb. 4
Mar. 3	Greenville, Tex.	Feb. 4
	Adv. Feb. 4 and 11.	

SEWERS

Feb. 13	Milwaukee, Wis.	Feb. 4
Feb. 16	St. Louis, Mo.	Jan. 28
Feb. 16	Charlotte, N. C.	Feb. 4
Feb. 16	Tampa, Fla.	Feb. 11
Feb. 17	Grand Rapids, Mich.	Jan. 28
Feb. 26	Louisville, Ky.	Feb. 4
	Adv. Feb. 4 and 11.	
Mar. 1	Clayton, Mo.	Jan. 28
Mar. 2	Jacksonville Beach, Fla.	Feb. 4
	Adv. Feb. 4 and 11.	
Mar. 2	Waco, Tex.	Feb. 11
Mar. 10	Waco, Tex.	Jan. 7
Mar. 15	Waco, Tex.	Jan. 21

WASTE DISPOSAL

Feb. 16	Phila., Pa.	Feb. 11

BRIDGES

Feb. 16	Louisiana	Jan. 21
Feb. 16	Indiana	Feb. 4
Feb. 16	Denison, Ia.	Feb. 11
Feb. 17	Michigan	Feb. 4
Feb. 19	Dayton, O	Feb. 4
Feb. 19	Illinois	Feb. 11
Feb. 20	Racine, Wis.	Feb. 11
Mar. 1	Key West, Fla.	Jan. 21
	Adv. Jan. 21 to Feb. 11.	
Mar. 18	Laverne, Okla.	Feb. 11

DAMS

Feb. 16	Concord, N. C.	Feb. 4
Mar. 15	Los Angeles, Calif.	Jan. 28
Mar. 23	Wellington, New Zealand	Jan. 21

EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR

Feb. 18	Mobile, Ala.	Jan. 21
Feb. 18	Los Angeles, Calif.	Jan. 28
Feb. 18	St. Augustine, Fla.	Jan. 28
	Adv. Jan. 28 to Feb. 11.	

STREETS AND ROADS

Feb. 15	Anderson, Ind.	Jan. 21
Feb. 15	New Jersey	Jan. 28
Feb. 15	Birmingham, Ala.	Feb. 4
Feb. 15	Groesbeck, Tex.	Feb. 4
Feb. 15	San Diego, Calif.	Feb. 4
Feb. 15	Charleston, W. Va.	Feb. 4
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 16	Washington	Jan. 28
Feb. 16	Rushville, Ind.	Jan. 28
Feb. 16	Virginia	Feb. 4
Feb. 16	Charlotte, N. C.	Feb. 4
Feb. 16	South Carolina	Feb. 4
Feb. 16	Milton, W. Va.	Feb. 4
Feb. 16	Portsmouth, O.	Feb. 11
Feb. 16	Pennsylvania	Feb. 11
Feb. 16	West Liberty, Ia.	Feb. 11
Feb. 16	Corydon, Ia.	Feb. 11
Feb. 17	Batavia, Ill.	Feb. 11
Feb. 18	Key West, Fla.	Feb. 11
Feb. 18	McPherson, Kan.	Feb. 11
Feb. 18	Pittsfield, Ill.	Feb. 11
Feb. 18	Conway, S. C.	Feb. 4
	Adv. Feb. 4 and 11.	
Feb. 18	Louisiana	Feb. 4
Feb. 18	Albia, Ia.	Feb. 11
Feb. 19	Illinois	Feb. 11
Feb. 19	Pennsylvania	Jan. 14
Feb. 19	Dunn, N. C.	Feb. 4
Feb. 19	Hartford City, Ind.	Feb. 4
Feb. 19	Ohio	Feb. 11
Feb. 20	Pennsylvania	Jan. 14
Feb. 22	Ontario	Jan. 28
Feb. 22	Georgetown, Tex.	Feb. 4
Feb. 22	Seattle, Wash.	Feb. 11
Feb. 23	Seattle, Wash.	Feb. 11
Feb. 23	Carroll, Ia.	Feb. 11
Feb. 23	McPherson, Kan.	Jan. 28
Feb. 23	Louisiana	Jan. 28
Feb. 23	Peekskill, N. Y.	Feb. 4
	Adv. Feb. 4 and 11.	
Feb. 23	Louisiana	Feb. 4
Feb. 23	Hamburg, N. Y.	Feb. 11
Feb. 23	Greensburg, Pa.	Feb. 11
Feb. 23	Los Angeles, Calif.	Feb. 11
Feb. 24	Nebraska	Feb. 4
Feb. 25	Kenosha, Wis.	Jan. 14
Feb. 25	Nebraska	Feb. 4
Feb. 26	Kittanning, Pa.	Jan. 28
	Adv. Jan. 28 to Feb. 11.	
Feb. 26	Nebraska	Feb. 4
Feb. 28	Indiana	Feb. 4
Mar. 1	Pensacola, Fla.	Feb. 11
Mar. 1	Selma, Ala.	Feb. 11
Mar. 1	Birmingham, Ala.	Feb. 11
Mar. 1	Ebensburg, Pa.	Feb. 11
Mar. 2	St. Louis, Mo.	Feb. 11
Mar. 2	Florida	Feb. 11
	Adv. Feb. 11.	
Mar. 2	Pennsylvania	Feb. 4
	Adv. Feb. 4 and 11.	
Mar. 2	Louisiana	Feb. 4
Mar. 2	Chilton, Wis.	Jan. 28
Mar. 8	Dickinson, N. D.	Feb. 11
	Adv. Feb. 11.	
Mar. 10	Alabama	Feb. 11

BUILDINGS—INDUSTRIAL

Feb. 13	Camden, N. J.	Feb. 11
Feb. 16	Iowa City, Ia.	Feb. 4
Feb. 18	Gallipolis, O.	Feb. 4
Mar. 1	Chicago, Ill.	Jan. 14

BUILDINGS—COMMERCIAL

Feb. 13	Cleveland, O.	Jan. 28
Feb. 15	Regina, Sask.	Jan. 28
Feb. 15	Wash., D. C.	Feb. 4
Feb. 15	Indianapolis, Ind.	Feb. 11
Feb. 16	Phila., Pa.	Feb. 11
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 17	Omaha, Neb.	Feb. 4
Feb. 20	New Orleans, La.	Jan. 21
Feb. 23	Morehead City, N. C.	Feb. 11
Feb. 24	San Francisco, Calif.	Feb. 11
Feb. 27	Bettendorf, Ia.	Feb. 4
Mar. 1	Duluth, Minn.	Jan. 7
Mar. 1	Williamsport, Pa.	Feb. 4
Mar. 2	Columbus, O.	Feb. 11
Mar. 3	Newark, N. J.	Feb. 11
Mar. 4	West Haverstraw, N. Y.	Jan. 21
Mar. 15	Altoona, Pa.	Feb. 11
Apr. 1	Lakewood (br. Cleveland), O.	Feb. 11
Apr. 1	Moline, Ill.	Jan. 14
Apr. 1	Youngstown, O.	Dec. 31

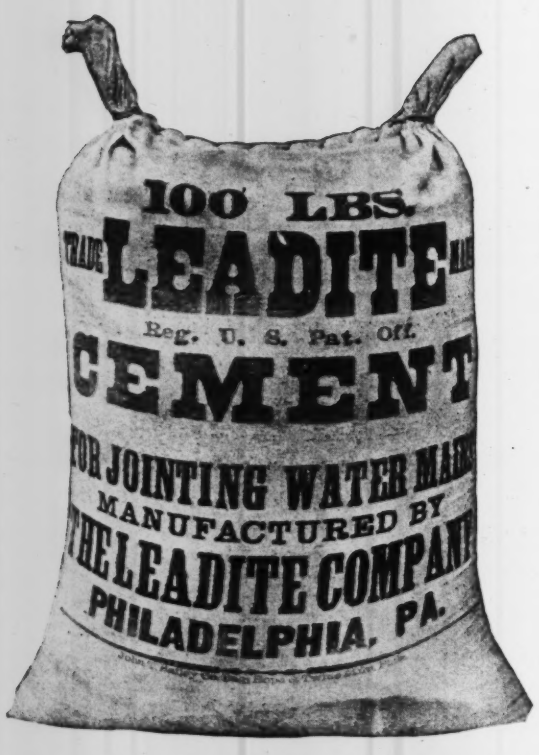
See proposal advertisements on page 130, Advertising Section.

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

A list of the Country's principal cities, large and small—

Is a list of the satisfied users of LEADITE.

Leadite Users are Leadite Boosters



EAST or West, North or South, take your pick of the cities—and you'll find many of them on the customer list of Leadite—

The country's principal cities, large and small—the country's representative water works engineers, construction companies and water works departments of industrial plants, railroads and mines are strong for Leadite for jointing cast iron water mains—

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What, for instance?—

You will do away with the need for caulking—or the need for digging out for large bell holes.

You will be able to use Leadite for all sizes of pipe from 4 in. to 60 in. diameter—under all pressures and conditions—

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Leadite does not corrode or rust.

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Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1511 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids Close — See Eng. News-Record

BUILDINGS—EDUCATIONAL, RELIGIOUS

Feb. 13 Parma (Cleveland P. O.), O. ..... Feb. 4
Feb. 15 Johnstown, Pa. ..... Feb. 4
Feb. 15 Torrington, Conn. ..... Feb. 11
Feb. 16 Winchester, Mass. ..... Feb. 11
Feb. 16 Wellsville, N. Y. ..... Jan. 21
Feb. 17 Los Angeles, Calif. ..... Feb. 11
Feb. 18 Williamsport, Pa. ..... Feb. 4
Feb. 18 Ravenna, O. ..... Feb. 11
Feb. 19 Detroit, Mich. ..... Feb. 11
Feb. 19 Raymond, Miss. ..... Feb. 4
Feb. 19 Wash., D. C. ..... Feb. 11
Feb. 19 Paulsboro, N. J. ..... Feb. 4
Feb. 19 Minneapolis, Minn. ..... Feb. 11
Feb. 22 Ferndale (br. Detroit), Mich. ..... Jan. 21
Feb. 23 Beloit, Wis. ..... Jan. 28
Feb. 23 Marshfield, Wis. ..... Feb. 4
Feb. 23 Detroit, Mich. ..... Feb. 11
Feb. 23 Chicago, Ill. ..... Feb. 11
Feb. 24 Laurel, Miss. ..... Feb. 11
Feb. 24 Williamsport, Pa. ..... Jan. 7
Feb. 27 Duluth, Minn. ..... Dec. 17
Feb. 27 Maplewood (br. South Orange), N. J. ..... Feb. 11
Adv. Feb. 11.
Mar. 1 Newberry, Mich. ..... Jan. 28
Mar. 3 Baton Rouge, La. ..... Jan. 21
Mar. 8 Dayton, O. ..... Feb. 11
Mar. 15 Lewistown, Pa. ..... Jan. 21

FEDERAL GOVERNMENT WORK

Feb. 16 Hull—St. Louis, Mo. ..... Jan. 21
Adv. Jan. 21 to Feb. 11.
Feb. 16 Refrigeration Plant—Hot Springs, S. D. ..... Jan. 28
Feb. 16 Post Office—Troy, N. Y. ..... Jan. 28
Feb. 18 Breakwater — Buffalo, N. Y. ..... Jan. 28
Feb. 19 Radial Gates—Idaho and Oregon ..... Jan. 14
Feb. 19 Mezzanine—Cincinnati, O. ..... Feb. 4
Feb. 19 Cable, Transformer, etc. — Wash., D. C. ..... Feb. 11
Feb. 23 Valves, etc.—Nebraska and Wyoming ..... Jan. 28
Feb. 23 Remodeling — Brownsville, Tex. ..... Jan. 28
Feb. 23 Remodeling—Evanston, Ill. ..... Feb. 4
Feb. 24 Administration—Pearl Harbor, T. H. ..... Jan. 7
Feb. 24 Water Meter, etc.—San Diego, Calif. ..... Jan. 28
Feb. 24 Pipe Masts—Panama, C. Z. ..... Feb. 4
Feb. 25 Remodeling—Hutchinson, Kan. ..... Feb. 4
Feb. 26 Dredging — New York, N. Y. ..... Jan. 28
Adv. Jan. 28 to Feb. 11.
Feb. 26 Mailing Shelter—Macon, Ga. ..... Feb. 11
Adv. Feb. 11.
Mar. 1 Cruiser—Wash., D. C. ..... Dec. 31
Mar. 1 Elevator—Wash., D. C. ..... Feb. 4
Adv. Feb. 4 and 11.
Mar. 2 Water Tanks—Palo Alto, Calif. ..... Feb. 4
Mar. 3 Hospital—Mare Island, Calif. ..... Jan. 21
Mar. 3 Compass Station—Cape Lookout (mail Beaufort), N. C. ..... Feb. 4
Mar. 9 Outlet Pipes—Oregon ..... Feb. 4
Adv. Feb. 4.
Mar. 9 Cement—Louisville, Ky. ..... Feb. 11
Adv. Feb. 11.
Mar. 15 Breakwater—Hilo, T. H. ..... Jan. 21
Adv. Jan. 21 to Feb. 11.

UNCLASSIFIED

Feb. 13 Hopper—Newark, N. J. ..... Feb. 11
Feb. 16 Culverts—Atlantic, Ia. ..... Feb. 11
Feb. 17 Silo and Shop—Detroit, Mich. ..... Feb. 11
Feb. 24 Sanitary Work, etc.—Willard, N. Y. ..... Feb. 4
Adv. Jan. 21 to Feb. 11.
Mar. 1 Lighting System—New York City, N. Y. ..... Feb. 11
Mar. 23 Panels, Filters, etc.—Wellington, N. Z. ..... Jan. 21

MATERIALS

Feb. 16 Granite Curb—Charlotte, N. C. ..... Feb. 4
Adv. Feb. 4.
Feb. 17 Cement—Detroit, Mich. ..... Feb. 11
Feb. 17 Sand Grit, etc.—New York City, N. Y. ..... Feb. 11
Feb. 18 Pig Lead—Chicago, Ill. ..... Feb. 11
Feb. 23 Pipe—North Dakota ..... Feb. 11
Feb. 23 Asphalt, etc.—Ontario ..... Feb. 4
Mar. 2 Creosoted Ties—Phila., Pa. ..... Feb. 11
Adv. Feb. 11.

Where name of official is not given Inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Akron—Village Bd. plans extending mains in various streets. $15,000.

N. J., Asbury Park—City Comm. plans 2 additional wells to obtain 5 m.g.p.d. N. Rogers, Asbury Park, engr.

N. J., Red Bank—Mayor and City Council plan water filtration plant. $60,000. Engineer not selected.

O., Barberton—Bd. Control takes bids in spring mains in East Side. $150,000.

O., Columbus—Making plans 1,300 ft. 12 in. mains in Whittier St., $5,850; 3,700 ft. 12 in. mains in 5th Ave., $16,650; and 3,900 ft. 16 in. mains in Parsons Ave. and Sycamore St., $20,670. R. H. Simpson, city engr.

Ill., Warsaw—Election Feb. 16, $30,000 bonds, waterworks improvements, incl. 250 g.p.m. rapid sand filter plant with pumps, motors, etc., 2,500 ft. 4 and 8 in. c.i. mains, 100,000 gal. tank on tower, etc. Pending outcome of above bond issue bids to have been opened Jan. 26 were delayed. E. Flad & Co., 1312 Chemical Bldg., St. Louis, Mo., engrs. Noted Dec. 17.

Wis., Edgerton—Plans artesian well. $15,000. A. W. Ely, 10 North Bluff St., Janesville, engr.

Kan., Colby — Takes bids latter part February, waterworks improvements. To exceed $15,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Dec. 10.

Ark., Fayetteville—Soon takes bids distribution mains in vicinity of City Hall, $20,000; and mains in Rose Hill Waterworks Impvt. Dist., $26,000. E. M. Ratcliffe, Stone Bldg., engr. Noted Dec. 17.

Ark., Sheridan—Made preliminary plans organizing Improvement Dist. for new water plant. $20,000. N. A. Baker, recdr. Engineer not announced.

Tex., Asherton—Texas Central Power Co., c/o Frost Bldg., San Antonio, plans waterworks. $35,000. Address S. M. Udden, mgr.

Tex., Carrollton — Voted $40,000 bonds complete waterworks. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, engrs.

Okla., Blackwell—Plans extending mains in various streets and takes bids in spring for cast iron pipe for same. $30,000. W. Ritzhaupt, Blackwell, engr.

Okla., Davenport—Voted $25,000 bonds extending mains in various streets. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Jan. 7.

Okla., Hughes—Made preliminary plans new waterworks. $22,000. G. Crane, mayor. Engineer not selected.

Okla., Tulsa — Made preliminary plans 18,000 ft. 30 in. c.i. mains from Mohawk Lake to east side reservoir. $275,000. Holway Eng. Co., Wright Bldg., engr.

Okla., Verden — Making surveys new waterworks. $60,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Calif., Eureka—Plans to purchase 3,500 lin.ft. 8 in. Class "B" c.i. pipe with prepared joints for use of city water dept. J. Griffiths, city supt. Pub. Wks.

Calif., Santa Ana — City plans to purchase one 1,400 g.p.m. deep well pump; and one 60 hp. vertical motor. E. L. Vegely, city clk.

Ont., Toronto — York Twp. plans 11,000 lin.ft. 6 in. c.i. mains in Elora Rd., Guy and Heath Sts., Cameron, Durham, Hyde, Glenmora, Keywest, Allenvale, Glenholme and Kendal Aves. $20,000. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — City Council plans extending high pressure c.i. and steel pipe, etc., between Bathurst and Sherbourne Sts. south of Queen St., for high pressure fire system. $616,818. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans 11,000 lin.ft. 24 and 30 in. c.i. mains in Boulevard Dr., Bathhurst and Fleet Sts., etc. $374,073. R. C. Harris, City Hall, engr.

Ont., Willowdale—North York Twp. plans 5,500 ft. 6 in. c.i. mains, etc., for area west of Humber Blvd. $20,000. James, Proctor & Redfern, 36 Toronto St., Toronto, Ont., engrs.

BIDS DESIRED

N. Y., Buffalo—Feb. 18, by Commissioner Pub. Wks., 1,720 tons 6- to 36-in. c.i. pipe, 42 tons 6- to 36-in. c.i. specials, etc. $6,000. J. J. Love, Municipal Bldg., comr.

N. Y., Dunkirk — Feb. 26, by Water Comrs., 425 Central Ave., 6 m.g. rapid sand filtration plant, appurtenances, etc. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Feb. 11.

N. Y., Long Island City—Feb. 19, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Cross Island Blvd., 45th and 55th Drs., 60th, 32nd, 33rd, Ely, Griffith, 41st and Oak Aves., Dartmouth, 167th, 170th, 260th, 261st, Sunswick, 47th, Hedwig, 43rd, 67th, 90th, 99th, 112th 147th and 201st Sts.

N. J., Spring Lake — Feb. 15, by D. H. Hills, mayor and Boro Council, cross-compound steam 2 stage, air compressor, etc. J. L. Sweigard, 1120 Lincoln Bldg., Phila., Pa., engr. Noted Dec. 31.

Md., Baltimore—Feb. 17, by Bd. Awards, c.i. pipe and fittings for Bureau Water Supply. B. L. Crozier, City Hall, ch. engr.

O., Cincinnati—Feb. 15, by Director Pub. Serv., 15 tons special castings, 1,225 tons 30 in., 20 tons 24 in. and 8 tons 16 in. c.i. pipe, for water distribution system in Burk and Bevis Aves., also Duck Creek Rd. from Fairfax to Dana Aves. $55,000. C. D. Sherrill, City Hall, engr.

Mich., Halfway—Feb. 17, by E. A. May, village clk., 900 ft. c.i. mains in Ash Ave., and 1,025 ft. in Gratiot Ave., both 8 in.; also 1,275 ft. in Birch Ave., 1,100 ft. Chestnut Ave., and 825 ft. in Magnolia Ave., all 6 in. R. H. O'Mara, Kaiser Bldg., village engr.

Minn., St. Paul—Feb. 16, by A. E. Eggert, city purch. agt., c.i. gate valves and service connection boxes, for Water Dept. G. M. Shepard, city engr.

BIDS RECEIVED

O., Cincinnati—For 73,300 ft. 4- to 12-in. c.i. mains in various streets, from M. F. Quill, 409 Gerke Bldg., $84,946. Engrs. est. $75,000. Noted Jan. 28.

O., Cincinnati—Director Pub. Serv., Jan. 27, 875 tons 4- to 12-in. c.i. pipe and special castings, from U. S. Cast Iron Pipe Co., Addyston, $49,000. Engrs. est. $50,000. Noted Jan. 21.

Wis., Kenosha—C. M. Osborn, city mgr., Jan. 15, hydrants, gate valves, etc., from Chapman Valve Mfg. Co., 650 West Lake St., Chicago, Ill. $5,558.

Wis., Racine — Bd. Water Comrs., City Hall, Jan. 30, general contract filter plant, from Peterson-Calwell Co., Inc., 646 Builders Exch., Minneapolis, Minn., **(A)** $177,861 **(B)** $177,931 **(C)** $180,181; filter equipment, from Keystone Mchy. & Eng. Co., Sharon, Pa., $58,500; wash water tank, from Graver Corp., 28 East Johnson Blvd., Chicago, Ill., $4,635; valves, from Ludlow Valve Mfg. Co., 209 South La Salle St., Chicago, Ill., $3,066; and c.i. pipe, from Lynchburg Fdry. Co., 122 South Michigan Ave., Chicago, Ill., $9,884. Noted Jan. 14.

Wis. Wauwatosa—Bd. Purchases, A. V. Brigham, secy., Jan. 29, from Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., 50 hydrants at $75 each, fifty 6 in. gate valves $22.80, and twelve 12 in. gate valves $68.20; from H. W. Evans, 53 West Jackson Blvd., Chicago, Ill., seventy-five 6 in. roadway boxes at $4.50, $6.75 and $7 each; from Rundle-Spence Mfg. Co., 35 4th St., Milwaukee, one thousand ¾ in. cocks at $0.63 each, three hundred ¾ in. corporation cocks $0.55, one thousand 1 in. curb stops $0.95, three hundred each ¾ in. curb stops $0.66, ¾ in. $0.52, and ¾ meter stops $0.67, also six hundred each ¾ in. meter couplings $0.13, and ¾ in. meter couplings $0.20. Noted Jan. 21.

Minn., Minneapolis — F. S. Gram, city purch. agt., Jan. 27, from Crane Co., 400 3rd Ave. N., five thousand ¾ in. water meters at $6.65 each, one hundred and fifty ¾ in. $10.29, fifty 1 in. $15.33, and thirty 1.5 in. $27.80.

Minn., St. Cloud—J. D. McKenzie, city clk., Jan. 19, 2,030 ft. 12 in. c.i. mains in various streets and 700 lin.ft. 12 in. c.i. mains laid under Mississippi River, from H. Nodland, Starbuck, $29,474. Noted Jan. 14.

Wash., Seattle—Bd. Pub. Wks., Jan. 22, reconstructing mains in Federal Ave., from H. Argenteria, 1918 Weller St., $49,239. Engrs. est. $51,706.

CONTRACTS AWARDED

Md., Towson — Comrs. Baltimore Co., Court House, mains, etc. as listed in Proposals 7W and 8W in Pikesville, to Ligon & Ligon, 200 East Lexington St., Baltimore, $22,443. Noted Jan. 21.

W. Va., Wheeling—Mains in Park View, Springdale, Edgwood and Pleasant Sts., to Consolidated Eng. Co., Wheeling, $36,223. Noted Jan. 28.

Fla., Titusville — For 200,000 gal. reservoir with all connections, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., $59,939.

See proposal advertisements on page 130, Advertising Section.

When Emergency Demands

Secure Strong Concrete in *3 Days*

In all types of concrete construction emergencies sometimes arise which demand immediate completion and use of the improvement.

On road, street and bridge repairs, railroad maintenance, mining improvements and industrial developments, rush work often is necessary.

In such cases, you do not want to wait the number of days usually allowed for concrete to reach the desired strength. You do not need to. You can, with standard *Universal* cement, the same quality *Universal* you have always used, obtain quick-hardening, *strong* concrete in *3 days* by using simple methods that thousands of laboratory tests and actual construction experience prove will give the desired results.

Detailed information on this time-saving concrete made with standard *Universal* cement will gladly be furnished on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland New York

Concrete for Permanence

Waterworks (Continued)

O., Dayton—For 5,030 tons pipe and fittings, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., $277,000.

O., Dayton—G. F. Baker, dir. Pub. Serv., City Bldg., new pumping plant, incl. concrete footings for pumps and motors, etc., to F. H. Smith, Inc., Winters Bank Bldg., $162,923. Engrs. est. $175,000. Noted Jan. 14.

O., Yorkville—For 4½ mi. mains, etc., in various streets, to G. J. Coffey Co., Rolf Apt., Wheeling, W. Va., $56,465. Noted Dec. 17.

Mich., Detroit—W. J. Black, comr. Purchase & Supplies, 710 Marquette Bldg., 50 tons lead pipe for Dept. Water Supply, to Michigan Smelting & Refining Co., 7885 Joseph Campau Ave., at $9.985 per 100 lb., total $9,985.

Mich., Detroit — Dept. Water Supply, 2,000 tons 36 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 760 East Pearl St., Burlington, N. J. at $42.60 per ton, and 2,500 tons, to B. Nicoll & Co., 294 Madison Ave., at $42.48 per ton; also 706 ft. special steel pipe with fittings, to Biggs Boiler Wks. Co., 250 Cass Ave., Akron, O., $22,974. Noted Jan. 28.

Wis., Kenosha—C. M. Osborn, city mgr., 400 tons 6 in., 150 tons 8 in. and 190 tons 12 in. c.i. pipe, to Natl. Cast Iron Pipe Co., 122 South Michigan Blvd., Chicago, Ill., $37,447 curb and street boxes, to J. B. Clow & Sons, North Talman Ave. and West Lake St., Chicago, Ill., $2,020, for Water Dept.

Wis., Milwaukee—Central Bd. Purchases, c.i. water pipe, to Glamorgan Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., $142,200; special castings, to Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., $10,559; offsets, to J. B. Clow & Sons, North Talman Ave. and West Lake St., Chicago, Ill., $1,956; and special tapping sleeves, to B. Hoffmann Mfg. Co., 1819 St. Paul Ave., $1,114. Grand total $155,829. Noted Jan. 28.

Minn., Minneapolis — F. S. Gram, city purch. agt., special castings, to Amer. Brake Shoe Fdry. Co., 37th Ave. N. E. and University Ave., $71.75 per ton; and 8,000 ft. c.i. pipe, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., $0.935 per ft. Noted Jan. 21.

Minn., Minneapolis — F. S. Gram, city purch. agt., hydrants and valves, to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., $82.25 each and $6,252 respectively. Noted Feb. 4.

Ark., Ft. Smith—Ft. Smith Waterworks Dist., J. H. Parker, chn., will obtain new waetr supply from one of Ozark Mountain streams, by day labor. $1,250,000-$3,000,000. H. S. Peck & W. H. Evans, Ft. Smith, engrs.

Tex., Port Arthur — City Comrs., City Hall, water purification plant, handling 5 m.g. Neches River water daily, to Wharton & Lee, 231 West Commerce St., San Antonio, $188,780, also 2 earthen storage reservoirs, 150 ft. capacity, to Howard Kenyon Dredging Co., 3603 McKinney Ave., Houston, $63,753. Noted Jan. 7.

Sewers

PROPOSED WORK

Pa., Pittsburgh—Soon takes bids sewer in Greenway Dr. $60,000. Bureau Eng. Dept. Pub. Wks., engrs. Noted Jan. 21.

W. Va., Huntington—City Comrs. soon take bids complete sewerage system $771,000. A. Maupin, Huntington, engr.

N. C., Charlotte—Plans sewage disposal plant, west side. $225,000. W. S. Staneill, comr. Pub. Wks.

Fla., Okeechobee—Voted $88,000 bonds, sewers in various streets.

Tenn., Nashville—Making surveys trunk line sewers for annexed territory. $1,600,000. W. W. Southgate, city engr. Noted Dec. 31.

O., Cincinnati — Plans 1,954 ft. 33- to 51-in. brick or concrete trunk and 587 ft. 24 in. vitr. clay sewers in Ravine north of Foley Rd. $26,700. C. O. Sherrill, City Hall, engr.

O., Massillon—Plans sanitary sewers in North Mill, Clay and Cherry Sts. $40,000.

Ill., Oak Park—Bd. Local Impvts. takes bids probably in May, 2.5 mi. 12- to 18-in. tile sewers in various streets in North West Section. $70,000. W. Thomas, City Hall, engr.

Wis., North Fond du Lac (Fond du Lac P. O.)—Defeated $13,000 bonds, 2 sewage pumps. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs. Noted Jan. 21.

Kan., Colby—Takes bids latter part of February sanitary sewers in various streets. To exceed $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, plans sewers in various streets. $2,789,900. W. W. Horner, 309 City Hall, engr.

Ark., Fayetteville—Soon takes bids extending 24,500 ft. 8- to 12-in. vitr. clay sewers in annex to Sewer Dist. 1. $26,500. E. M. Ratcliffe, Fayetteville, engr. Noted Jan. 8.

Tex., Corpus Christi — Jno. B. Hawley, engr., Cotton Exch. Bldg., Ft. Worth, soon takes bids sewage disposal plant, here, for City. $250,000. Noted Dec. 3.

Tex., Frisco — Defeated $40,000 bonds, sewerage system. F. P. Schrader, mayor. Noted Aug. 20.

Tex., Uvalde—Making plans sewer improvements, extending mains, etc., in various streets. $30,000. Address H. P. Hornby, mayor.

Okla., Foss—Plans new outfall sewers in various streets and disposal plant. $25,000. J. D. Bornford, Elk City, engr.

Colo., Denver—Soon takes bids 17 mi. 8- to 24-in. vitr. sewer in Barnum Special Sanitary Sewer Dist. 1, $225,000; also 15 mi. 8- to 24-in. vitr. sewer in Barnum Special Sanitary Sewer Dist. 2, $200,000. A. K. Vickery, City Hall, engr.

Calif., Los Angeles—Made plans 14,644 ft. 8- to 18-in. cement and 7,920 ft. 6 in. house sewers, etc., in Centinela Ave.; also 9,330 ft. 6 in. house and 11,509 ft. 8 in. sewers, etc., in Burnside Ave.

Calif., Los Angeles — Los Angeles Co. Sanitation Dist. 7, defeated $4,400,000 bonds, sewers, in various streets. Noted Jan. 21.

Ont., Toronto—City Council plans 9,000 lin.ft. concrete and brick trunk sewers in South Parkdale Area from intersection Wright and Macdonnell Aves. to Lake Ontario; 1,400 lin.ft. Queen St. and O'Hara Ave. to West Lodge Ave.; and 7,000 lin.ft. Rosedale Creek from Yonge St. to Don River. $927,600. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. making plans sewers in Dufferin St., $18,475; and Brookside Dr., $11,646. Work involves 7,500 ft. 8 in. vitr. clay pipe. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—Scarborough Twp., plans approximately 9,000 ft. 8 in., etc., vitr. tile lateral, service and trunk sewers in Byng, Blantyre, Godfrey, Eastwood, Kalmar and Audrey Aves. $40,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

B. C., Burnaby — Municipality, A. G. Moore, clk., plans lateral sewers in various streets. $80,000. E. Smith, Edmonds, engr.

BIDS DESIRED

Fla., Tampa — Feb. 16, by City Comn., 18- to 36-in. sewers in portions of Gray St., North A and Tampaina Aves., Storm Sewer 164. $25,000.

Tex., Tyler—See "Unclassified."

Tex., Waco—Mar. 2, at Office G. D. Field, city secy., sewage treatment plant, etc., Contracts 1 to 7 (inclusive).

BIDS RECEIVED

Fla., Miami—City Comn., Jan. 25, from J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., storm sewers in Contr. SR 67, Dists. 180-181 $73,638, Contr. SR 69, Dist. 183 $10,755, sanitary sewers in Contr. SR 65, Dists. 165, 166 and 167 $6,229, and Contr. SR 64, Dists. 146-A and 159 $2,511; from M. J. Cooney, 9 Oxford Ave., Boston, Mass., sanitary sewers in Contr. SR 65, Dists. 168-17, $78,893. Noted Jan. 7.

Calif., Los Angeles—From Janes Constr. Co., P. O. Box 217, Burbank, sewers in Bundy Dr. between San Vicente and Pico Blvds., 23,383 ft. house sewers $0.78 per ft., sewer complete $68,254.

CONTRACTS AWARDED

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Sea View Ave. from Washington Ave. to Quincy St. to Liberty Ave., to J. J. B. LaMarsh, 391 Fulton St., Brooklyn, N. Y., $103,833. Noted Jan. 28.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to F. Berardi, 1913 Mifflin St., branch sewer in Beulah St. between Johnston and Bigler Sts. $5,676, L St. between Torresdale and Lycoming Sts. $21,108, 9th St. between Johnston and Bigler Sts. $5,971, and Smedley St. between 65th and 67th Aves. $6,511; to A. Di Sandro & Son, 3906 North 5th St., Boudinot St. between Roosevelt and Ashdale Sts., $10,771; to Leva Bros., 3851 North 10th St., Champlost Ave. between 9th and Marvine Sts., $20,562; to A. Mattia, 310 North 65th St., Folsom St. between 48th and 49th Sts., $4,102; to Higgins & Reilly, Real Estate Trust Bldg., 57th St. between Staddington and Nassau Sts. $15,223, and Percy St. between Johnston and Bigler Sts. $7,315; to Clifton Constr. Co., 131 East Berkley St., Clifton Heights, Hutchinson St. between Johnston and Bigler Sts. $5,520, also removing old and constructing new sewers in 11th, Warwick, Alder and Bigler Sts. $22,209; to A. Perna & Sons, 752 South 10th St., branch sewers in Kenmore St. between Lansdowne and Media Sts., $7,476; to E. F. Bennis, 825 East Washington Lane, 69th St. between Chester and Regents Sts., Regent St. between 68th and 69th Sts. $12,324, also Vernon St. between Chew and Boyer Sts. $8,170; to Vattieri & Pantarelli, 523 Rising Sun Ave., Spencer St. between 4th and 5th Sts., $6,343; to A. J. Henderson, 825 East Washington Lane, Wadsworth Rd. between Crittenden and Stetson Sts., $5,507; to F. T. Buckins, 4050 Kensington Ave., Inlet laterals, spurs, etc., in various streets, $41,050; to J. E. Robinson, 5231 Catharine St., test borings through soil and drift also in water through soil and drift and exclusive of water, $1,845. Grand total $208,283. Noted Feb. 4.

Md., Baltimore—Bd. Awards, 21,500 lin. ft. 24- to 60-in. rein.-con. pipe, to Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $57,110. Noted Feb. 4.

Ky., Ft. Thomas—For 53,000 ft. 6- to 15-in. sewers in various streets, to J. A. Diskin & Co., Newport, Ky., $111,187. Noted Dec. 24.

Wis., Madison—H. Winckler, city clk., 299 tons c.i. for sewage disposal, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., $21,358; 104 valves, to Kennedy Valve Mfg. Co., 116 East Miller St., Elmira, N. Y., $1,745; and 4 sluice gates, to Caldwell Wilcox Co., Newburgh, N. Y., $1,072. Grand total $24,175. Engrs. est. $25,000.

Ia., Pella—A. C. Kuyper, city clk., 23,924 ft. 6- to 10-in. vitr. clay and 300 ft. 8 in. c.i. sewers, etc., in various streets, to Redd & Tomassco, Omaha, Neb., $22,126. Noted Jan. 21.

Waste Disposal

PROPOSED WORK

Ala., Birmingham — Election Apr. 15, $400,000 bonds, 4 garbage incinerators.

BIDS DESIRED

Pa., Phila.—Feb. 16, by Dept. Pub. Wks., Bureau Street Cleaning, Schedule A, alterations to hydraulic presses and Schedule B, repair boiler stacks at garbage disposal plant, 49th St. and Schuylkill River. G. H. Biles, Dir.

Bridges

PROPOSED WORK

Rhode Island—Mt. Hope Bridge Comn., State House, Providence, submitted report 2,800 ft. concrete and steel bridge with two 1,500 ft. approaches, 40 ft. roadway, etc., connecting Bristol and Portsmouth. $6,000,000. D. O. Cargell, 21 State House, Providence, engr. Noted Jan. 28.

Tennessee—State Hy. Dept. & Pub. Wks., Nashville, takes bids about Feb. 19, rein.-con. bridges over Bledsoe, Lick and Trammel Creeks, Sumner Co. To exceed $25,000. C. N. Bass, acting comr.

Tenn., Amqui (mail Madison) — State Dept. Highways & Pub. Wks., Nashville, making surveys viaduct over Louisville & Nashville R.R. tracks, here, Davidson Co. C. N. Bass, acting comr.

Tenn., Gainesboro — Jackson Co. plans bridge over Cumberland River. To exceed $25,000.

Tenn., Memphis — Made plans viaduct over railroad tracks at Aulon Station, on Poplar Pike, Union and Madison Aves. $400,000. W. Fowler, city engr.

Wis., Milwaukee—Dept. Pub. Wks. making plans 30 ft. rein.-con. span bridge, 56 ft. roadway, etc., at 11th Ave. $25,000. M. C. Cutler, City Hall, engr.

Iowa—See "Streets and Roads."

Minn., Minneapolis—Soon takes bids 3 arch span 2,800 lin.ft. rein.-con. bridge, 60 ft. over Mississippi River, Cedar Ave. $1,100,000. Portion of work done by day labor. N. W. Elsberg, city engr.

Tex., Angleton—See "Streets and Roads."

Tex., Baird—See "Streets and Roads."

Tex., Bay City—See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Huntsville—Walker Co., c/o T. McKinney, judge, making plans 1 span, 100 ft. concrete and steel bridge with creosoted pile trestle approaches, etc., across Harmon Creek, on Highway 19. D. K. Caldwell, Huntsville, engr.

See proposal advertisements on page 130, Advertising Section.

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BRIXMENT

Bridges (Continued)

Tex., Sanderson — See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, made surveys 2 span 170 ft. steel truss bridge on concrete piers over Washita River between Wynne Wood and Pauls Valley, $33,000 and 2 span 156 ft. steel truss bridge on concrete piers over Washita River between Paoli and Pauls Valley, $31,000, both Garvin Co.; also 3 span 114 ft. rein.-con. trestle bridge at Garfield, Tillman Co., $40,000. J. M. Page, highway engr.

Okla., Carnegie—Caddo Co. making preliminary plans 2 span 156 ft. steel truss bridge on concrete piers over Washita River, east of here. $36,000. J. M. Page, highway engr.

Wash., Everett — Snohomish Co. made plans 170 ft. steel bridge and 20 ft. concrete approach over Little Pilchuck River. R. Alverson, co. engr.

Calif. Elvas (mail Sacramento)—City of Sacramento and Sacramento Co. making surveys bridge over American River, here. To exceed $25,000. A. J. Wagner, Sacramento, city engr. C. Deterding, Jr., Sacramento, co. surv.

Ont., Toronto — Plans rebuilding plate grider and steel bridge, on Dundas St., W., $319,400. R. C. Harris, City Hall, engr.

BIDS DESIRED

Florida—See "Streets and Roads."

Illinois—Feb. 19, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 55 ft. span rein.-con. girder overhead bridge, Route 1, Sect. 38-V, Johnson Co.; one 60 ft. steel superstructure and repairs to abutments, Route 7, Sect. 8-D, Bureau Co.; one 40 ft. and one 60 ft. rein.-con. girder bridges, Route 40, Sect. 5-B, Carroll Co. F. T. Sheets, highway engr.

Wis., Racine—Feb. 20, by H. A. Nelson, comr. Pub. Wks., constructing 270 ft. steel girder bridge and concrete approaches, 36 ft. and two 8 ft. sidewalks, etc., at 6th St. $52,000. H. J. Hansen, 1423 Dean Blvd., engr. Noted Oct. 15.

Ia., Denison — Feb. 16, by Bd. Supervs. Crawford Co., 140 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approach spans, 29,150 lb. reinforcing, 50,300 lb. I-beam and 172,300 lb. truss steel, 2,320 ft. piling, etc. $33,875. W. J. Wearmouth, Denison, engr.

Kan., McPherson — See "Streets and Roads."

Okla., Laverne—Feb. 18, by Clerk Harper Co. (Buffalo), 22 span 338 ft. steel truss bridge, and pile approaches, 7.93 tons truss steel, 4.37 tons I-beam, 1,838 ft. painted, 30,942 ft. untreated and 8,510 ft. creosoted timber, etc., here. $35,000. C. V. Wood, Arnett, engr.

BIDS RECEIVED

N. Y., New York — Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., Feb. 4, concrete arch bridge and approaches, at Boston Rd. and Bronx River, Bronx Park, Bronx Boro, from Fox Reynolds Co., 81 East 125th St., $103,679. Noted Jan. 28.

Ill., Chicago—See "Streets and Roads."

CONTRACTS AWARDED

Miss., Waynesboro — See "Streets and Roads."

Ohio—See "Streets and Roads."

O., Stillwater — Tuscarawas Co. (New Philadelphia), bridge over Baltimore & Ohio R.R. tracks, here, to Dover Tank & Plate Co., Dover, $27,454. Noted Feb. 4.

Michigan — State Hy. Dept., at office comrs. Wayne Co., Detroit, for Bridge File No. 8,201,004 (Grade Separation), 151 ft. long, to M. E. White, 1600 Courtland St., Chicago, Ill., $179,866.

Wis., Milwaukee—Central Bd. Purchases, fabricating steel for repairs to Huron St. Bridge, to Milwaukee Bridge Co., 1400 34th St., $28,320. Noted Jan. 7.

Dams

PROPOSED WORK

Wis., Tomahawk — Wisconsin Valley Impvt. Co., 1st Natl. Bank Bldg., Wausau, made preliminary plans concrete and earth storage reservoir dam, approximately 260 ft. long and 20 ft. head, on Willow River, 21 mi. northwest of here. Private plans.

Texas—Making surveys, etc. large dam across Guadalupe River and several smaller ones below it in San Marcos and San Antonio, etc. from New Braunfels north and south toward San Antonio. $2,000,000. Payne, Weber & Co., c/o M. F. La Croix, Boston, Mass., financing project. Macomber & West, 15 Exchange Pl., Boston, Mass., engrs.

Wash., Seattle—See "Unclassified."

Railways

PROPOSED WORK

Virginia — Louisville & Nashville R.R. Co., 9th St. and Bway., Louisville, Ky., W. H. Courtenay, ch. engr., plans 13.87 mi. railroad from Chrevolet Station on Martins Fork Branch of Harlan Line to main Cumberalnd Valley Div. at point near Hagans Sta., Lee Co. $5,287,000.

North Carolina—Southern Ry., B. Herman, ch. engr., 1300 Penn. Ave., Wash., D. C., plans grade reduction, new location on Asheville-Spartanburg Div. incl. new line around Saluda Mountain. $4,000,000.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Calif., San Francisco—Park Comn. plans to purchase 4 high pressure centrifugal pumps and motors for use in Golden Gate Park Irrigation System. B. P. Lamb, secy.

Calif., Santa Barbara — Plans election $200,000 bonds, breakwater. $200,000 already available.

BIDS RECEIVED

Calif., San Francisco—State Bd. Harbor Comrs., Ferry Bldg., Jan. 28, 50,000 cu. yd. fill, etc., at outer end of Pier 48, from Healy-Tibbitts Constr. Co., 64 Pine St., $0.64 per cu.yd.

CONTRACTS AWARDED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., completing Sect. 4 Buffalo River and Cazenovia Creek Impvt., to V. Schiavi, Tupper Lake, $144,100. Noted Jan. 21.

Illinois—Dept. Purchases & Construction, State House, Springfield, Starved Rock, Lock and Dam, on Illinois River near Utica to Woods Bros. Constr. Co., Lincoln, Neb., $1,475,832. Noted Jan. 14.

Streets and Roads

PROPOSED WORK

N. Y., Albany — Made plans grading, curbing, sidewalks and asphalt on concrete paving Woodlawn Ave. from Manning Blvd. to Marion Ave. $85,000. J. G. Brennan, city engr.

New Jersey — Bergen Co. (Hackensack) plans paving 7 mi. Franklin Rd. from Oakland to Hawthorne. R. P. McClave, Hackensack, engr.

N. J., Red Bank—Mayor and City Council plan widening Monmouth St. $72,000. Engineer not selected.

N. J., Woodbridge—Middlesex Co. (New Brunswick) plans paving 1 mi. Upper Green St., here. W. E. Buchanan, New Brunswick, engr.

Pa., Bristol—Making plans repaving 8,000 ft. Radcliffe, Otter and Mill Sts. $117,000. J. S. Roberts, 205 Jefferson St., engr. State and Bucks Co. appropriate toward cost. Noted Sept. 10.

Md., Baltimore — Plans sheet asphalt paving Warwick St. from Baltimore St. northward and extending Mosher St. from Smallwood to Ashburton Sts., $250,000; sheet asphalt paving Light St. from Pratt to Lee Sts. $40,000, Saratoga St. from Fremont St. to Greene Sq. $30,000, Smallwood St. from Fayette to Franklin Sts. $40,000, and Fulton Ave., from Baltimore to Presstman Sts. $100,000. B. L. Crozier, City Hall, engr.

North Carolina — State Hy. Dept., Raleigh, plans grading and 6 in. plain concrete paving 10.61 mi. Project 265, $322,700; also 7.2 mi. Project 266, $220,000, both 18 ft., Pamlico Co. C. M. Upham, Raleigh, engr.

N. C., Elizabeth City — Plans improving various streets. $216,422 bonds to be sold.

Ga., Bainbridge—Decatur Co. voted $500,000 bonds, improving various roads. Noted Dec. 31.

Ga., Baxley—Appling Co. plans election $500,000 bonds, improving various roads.

Ga., Hazelhurst—Jeff Davis Co., election Feb. 14, $400,000 bonds, improving various roads. R. H. Ordway, judge.

Ga., Lyons—Toombs Co. voted $300,000 bonds, improving various highways. Noted Dec. 31.

Ga., Milledgeville—Plans election $25,000 bonds, paving various streets. J. H. Ennis, mayor.

Fla., Fernandina — Nassau Co. voted $580,000 bonds, improving roads.

Fla., Gainesville — Alachua Co. election Feb. 12, $1,000,000 bonds, constructing lateral roads. Noted Nov. 19.

Fla., Okeechobee — Voted $87,000 bonds, paving various streets.

Ala., Huntsville — Plans paving 10 streets. To exceed $25,000.

Miss., Laurel — Jones Co. making preliminary plans grading, gravel surfacing, etc., 13 mi. Lone Star Route from Seminary to Starkville, 18 ft. W. T. Hardy, Court House, engr.

Miss., Ripley—Tippah Co. takes bids in spring grading, hardsurfacing, etc., 8 mi. College Trail Rd. from Bailey Springs to Tippah-Union Co. line, 18 ft. $125,000.

Miss., Starkville — Oktibbeha Co. plans election $450,000 bonds, gravel surfacing 43 mi., resurfacing 37 mi., and Kentucky rock asphalt surfacing 5 mi. various roads.

La., Plaquemine—City Council plans election $75,000 bonds, additional cement walks on various streets, and improving drainage system.

La., New Orleans—Comm. Council plans graveling and permanent paving various streets, as listed in last half 1926 program. To exceed $2,000,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Feb. 18, probably concrete paving 6 mi. Gates-Dyer Co. line Rd. and 10 mi. Gates-Ripley Rd., both 18 ft., Lauderdale Co.; and about Mar. 1, grading, etc. 15 mi. and bridge over 20 ft. span, on Crossville-Crab Orchard Rd., Cumberland Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, take bids about Mar. 12, grading, etc., 5.5 mi. Crossville-Crab Orchard Rd., State Highway 1, Cumberland Co.; and 15 mi. Nashville-Lebanon Rd., Davidson Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, made surveys improving 10 mi. Bellview-Cheatham Co. line Rd., Davidson Co. C. N. Bass, acting comr.

Tenn., Chattanooga—Hamilton Co. plans concrete paving 3 mi. road up Lookout Mountain. $75,000. E. G. Mumell, Court House, engr.

Tenn., Cookeville—Putnam Co. and State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 15 mi. Cookeville-Monterey Rd.

Tenn., Halls—Voted $40,000 bonds, improving various streets.

Tenn., New River — State Dept. Highways & Pub. Wks., Nashville, takes bids about Mar. 3, 60,000 sq.yd. earth fill approaches to bridge over New River, Scott Co., here. C. N. Bass, acting comr.

Tenn., Rutledge—Grainger Co. plans election $112,000 bonds, improving 28 mi. Rutledge-Hawkins Co. line and Rutledge-Knox Co. line Rds. State appropriates toward cost.

O., Akron — Summit Co. takes bids in spring widening Main St. extension from city limits to Swartz Corners. $40,000.

O., Fairview — Making plans concrete sidewalks, 7 mi. various streets. To exceed $25,000. E. H. Arnold, Town Hall, engr.

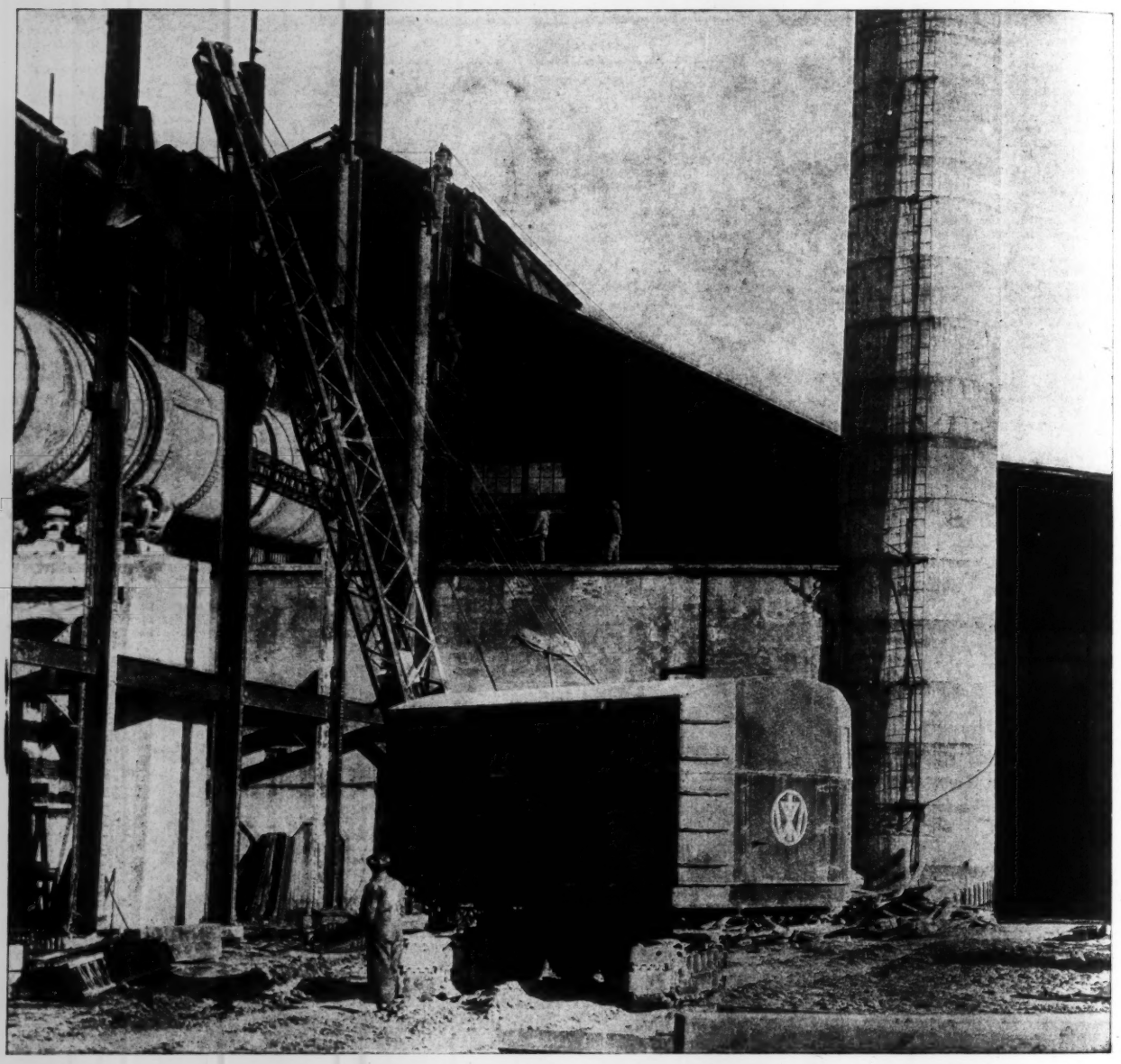
O., Canton — Bd. Control takes bids in spring improving 14th St. N. E. from Harrisburg Rd. to Grace Ave., also Lynch Ave. from 4th to 5th Sts. N. W. $25,000 each. W. E. Sarver, Canton, engr.

O., Jackson—Making plans grading, brick or asphalt paving 2.34 mi. East Broadway, Church, Portsmouth and Longworth Sts., 27 ft. A. E. Campbell, city engr.

O., Rocky River—Cuyahoga Co. (Cleveland) making plans and takes bids in spring paving Beaconsfield Blvd., Morewood Parkway, Elmwood and Aberdeen Rds., Woodside and Beachwood Drs., Riverwood, Purnell, Stratford, Endsley, Laurel and Maplewood Aves. $200,000. E. H. Arnold, Town Hall, engr.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 900 sq.yd. Rowley Ave., $4,530; 17,750 sq.yd. Tuller Ave., $79,710; 8,400 sq.yd. Mettetal Ave., $37,970; 5,470 sq.yd. Russell Ave., $24,680; 5,300 sq.yd. Waltham Ave., $23,890; 3,250 sq.yd. May Ave., $14,710; 7,950 sq.yd. Greeley Ave., $35,990; 2,050 sq.yd. Swift Ave., $9,220; 3,310 sq.yd. Syracuse Ave., $15,040; 8,370 sq.yd. St. Marys Ave., $37,840; 3,000 sq.yd. Wayburn Ave., $13,680; 2,600 sq.yd. Farr Ave., $12,000; 6,200 sq.yd. Moenart Ave., $28,080; 5,150 sq.yd. Ashland Ave., $23,230; 6,230 sq.yd. Malcolm Ave., $28,150; 8,670 sq.yd. Prairie Ave., $39,130; 8,350 sq.yd. Roselawn Ave., $37,710; 2,035 sq.yd. Bewick Ave., $9,170; 8,360 sq.yd. St. Aubin Ave., $37,940; 2,840 sq.yd. Kentucky Ave., $12,830; 1,065 sq.yd. Whithorn Ave., $48,400; 1,000 sq.yd. Duncan Ave., $4,500; 1,595 sq.yd. Lawton Ave., $71,810; 7,030 sq.yd. Hammond Ave., $31,680; 6,050 sq.yd. Jackson Ave., $27,280; 8,950 sq.yd. Chalfonte Ave., $40,420, 7,670 sq.yd. Briarcliff Ave., $34,470; 8,500 sq.yd. Lich-

See proposal advertisements on page 130, Advertising Section.



Building Profits

WHEN you put an INDUSTRIAL crawling tractor crane on the job, it goes to work at once, building up the profits.

The first cost of an INDUSTRIAL is surprisingly low, and the great saving in labor, handling and maintenance makes the final cost the lowest. It pays for itself in so short a time and sticks to the job for so long a time—no wonder operators say, "It can't be beat."

This type DC is a crane, shovel and dragline. Think of buying three machines for but slightly more than the price of any one of other make!

May we send you further details?

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Streets and Roads (Continued)

field Ave., $38,210; 2,800 sq.yd. Larkins Ave., $12,604; 8,500 sq.yd. Renfrew Ave., $38,210; 8,500 sq.yd. Stratford Ave., $38,210; 2,130 sq.yd. Tuxedo Ave., $9,630; 2,070 sq.yd. Coplin Ave., $9,350; 2,310 sq.yd. Wildemere Ave., $10,440; 4,880 sq.yd. Halleck Ave., $21,970; 7,700 sq.yd. Welland Ave., $34,700; 5,030 sq.yd. Lawley Ave., $22,660; 3,040 sq.yd. Cedarlawn Ave., $13,930; 3,000 sq.yd. Sartoga Ave., $13,500; 2,620 sq.yd. Huntington Ave., $11,780; 890 sq.yd. Burnside Ave., $4,470; 2,830 sq.yd. Culver Ave., $12,730; 2,000 sq.yd. Quincy Ave., $9,020; 4,070 sq.yd. Petoskey Ave., $18,300; 4,050 sq.yd. Justine Ave., $18,190; 2,040 sq.yd. Lakeview Ave., $11,198; 2,000 sq.yd. Lenox Ave. $9,160; 4,650 sq.yd. Globe Ave., $20,920; 6,000 sq.yd. Berkshire Ave., $27,090; 4,210 sq.yd. Guthrie Ave., $18,990; 3,860 sq.yd. Renville Ave., $17,390; 3,790 sq.yd. Hildale Ave., $17,040; 3,000 sq.yd. Ilene Ave., $13,540; 8,400 sq.yd. Carbondale Ave., $37,800; 1,900 sq.yd. Garland Ave., $8,640; 7,710 sq.yd. Lumkin Ave., $34,660; and 8,430 sq.yd. Andover Ave., $37,970. P. A. Fellows, City Hall, engr.

Mich., Detroit—Wayne Co. making plans widening and paving 12 mi. Allen Rd., 1.5 mi. Division Rd., 2.5 mi. Mount Clemens Dr., 2.5 mi. Rouge Park Rd., 4.3 mi. South Dearborn Rd., 1.25 mi. Eureka Rd., 4.5 mi. Fort St., 4.5 mi. Canton Center Rd., 6 mi. Five Mile Rd., 4.5 mi. Mack Ave., 4 mi. Miller Rd., 3 mi. River Rd., 5.5 mi. Fort St. in Lincoln Park, 5.5 mi. Seven Mile Rd., and 6.5 mi. Warren Rd.; also grading, etc., 4 mi. Meridan Rd. Private plans.

Mich., Iron River—Plans paving, curbing, guttering various streets on Stambough Hill. $30,000. Engineer not selected. T. Stanaway, village clk.

Ill., Belleville — City Clerk soon takes bids grading, curbing, concrete paving, etc. Washington St. Paving Dist. $40,200. C. A. Heinzelman, City Hall, engr.

Wis., Edgerton—Making plans rein.-con. paving, etc., approximately 18 blocks 8 streets. A. W. Ely, 10 North Bluff St., Janesville, engr.

Wis., Milwaukee — R. Stoelting, comr. Dept. Pub. Wks., making plans various types paving streets in 23 wards. $2,500,000. J. Schwada, City Hall, engr.

Wis., Oconomowoc—City Clerk takes bids in spring various types paving 10,260 sq. yd. 2nd St. To exceed $25,000. J. A. Stemper, City Hall, engr.

Iowa—State Hy. Dept., Des Moines plans surfacing 22 mi., gravel surfacing 704 mi. and grading, bridging, etc. 521 mi. roads in various counties. $10,000,000. State and various counties appropriate toward cost.

Ia., Albia — Making preliminary plans grading, curbing and hard surfacing 25 blocks various streets. Brown & Cook, Ottumwa, engrs.

Ia., Ottumwa—Soon takes bids grading, curbing, guttering and brick or concrete paving 10,877 yd. Milner St. $43,710, 10,584 yd. Ransom St. $45,110, 7,302 yd. Willard St. $30,912, and 5,390 yd. Hancock St. $22,740. H. E. Cook, City Hall, engr.

Minn., Duluth—City Comrs. making plans and take bids about Mar. 15, concrete paving, etc., 5th Ave. West between railroad tracks and dock line, $36,679, Cottage Ave. with 5 ft. sidewalks on each side, $20,599, 44th Ave. E., $33,438, and 46th Ave. W., $4,043; grading and graveling 65th Ave. W. and Worden St., $12,141; graveling and sidewalks on 2nd St., $8,995. J. Wilson, city engr.

Minn., St. Paul — Making plans paving approximately 2 mi. South Robert St. between Fillmore Ave. and Congress St. $90,000. G. M. Shepard, city engr.

S. D., Sioux Falls — City Comn. plans paving 30 city blocks various streets. W. Leyse, city aud.

Mo., Clayton—City Clerk takes bids about April 1, improving Hanley Rd., 10,290 cu.yd. grading, 10,625 ft. curbing and guttering, 19,700 sq.yd. asphalt or bituminous macadam paving, etc. $77,000. Keck Surveying Co., 721½ Chestnut St., St. Louis, engrs. Noted Aug. 20.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids asphalt paving, etc., 39,685 sq.yd. Kingshighway $181,000, 1,795 sq.yd. Cook St. $12,000, 3,955 sq.yd. Cook St. between Grand and Vandeventer Sts. $55,200, 8,185 sq.yd. Lee St. $60,300, and 2,900 sq.yd. Shreve St., $18,400; granite block paving, etc., 6,055 sq.yd. Walnut St., $153,100; asphaltic concrete paving, etc., 4,220 sq.yd. Clifton St. $24,400, 1,305 sq.yd. Farlin St. $7,890, 770 sq.yd. Cora St. $6,780, and 3,650 sq.yd. Osceola St., $21,800; concrete paving etc., 2,680 sq.yd. Cutter St., $14,070; and brick paving, etc., 2,645 sq. yd. Thrush St., $17,610. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, plans constructing or improving 43.24 mi. various streets, $4,280,000, and constructing 8.26 mi. alleys, $214,920. W. W. Horner, 300 City Hall, engr.

Ark., Little Rock — Making preliminary plans grading, curbing and asphalt, brick or concrete paving streets in Impvt. Dist. 431. $58,000. G. D. Douglass, 528 Home Life Bldg., engr.

Ark., Searcy—Voted $219,000 bonds grading and paving 66 blocks various streets, 26 and 60 ft. J. C. Baker, Searcy, engr.

Tex., Angleton — Brazoria Co. making plans grading, bridging and crushed limestone and asphalt on shell paving 8 mi. State Highway 58 and 59, 18 ft. $294,500. H. W. Munson, Jr., Angleton, engr.

Tex., Bay City—Matagorda Co. making plans grading, bridging and concrete paving 16.77 mi. Highway 58, 18 ft. $528,000. E. N. Gustafson, Bay City, engr.

Tex., Baird—Callahan Co. making revised plans grading, bridging, and bituminous macadam on sledged stone surfacing 5.47 mi. Highway 1, Federal Aid Project 52-D. $106,000. T. H. Webb, Baird, engr. Noted Oct. 7.

Tex., Boston—Bowie Co. soon takes bids grading, bridging and gravel surfacing 6 mi. Highway 98 between Boston and Simms, 18 ft. $42,000. F. Hess, Boston, co. engr.

Tex., Crockett — Houston Co. making plans gravel surfacing 18 mi. Highway 103, 18 ft. $35,000. F. J. Von Zuben, Crockett, co. engr.

Tex., Cuero — DeWitt Co. making plans grading, bridging and bituminous macadam paving 7.5 mi. Highway 72 between Yorktown & Karnes Co. line, 18 ft. $180,000. W. H. Koether, Koakum, co. engr.

Tex., Cuero—De Witt Co. making plans grading, bridging and hard surfacing 20½ mi. Highway 72, 18 ft. $600,000. State and Federal Aid appropriate toward cost. W. H. Koether, Cuero, engr.

Tex., Eagle Pass—Maverick Co. making plans gravel surfacing 24 mi. Highway 85 from Eagle Pass to Dimmit Co. line, 18 ft. $150,000. C. E. Wright, Eagle Pass, co. engr.

Tex., Ft. Worth—Making plans widening West 7th St., from Lamar St. to Van Zandt viaduct. $150,000. D. L. Lewis, Ft. Worth, city engr.

Tex., Falfurrias—Brooks Co. making revised plans bituminous macadam on caliche paving 25 mi. Highway 12, Federal Aid Project 2, $500,000; also 2½ mi. Federal Aid Project 429-1, 18 ft., $65,000. R. Harrison, Falfurrias, engr. Noted Oct. 7.

Tex., Goliad—Goliad Co. making plans grading and surfacing 100 mi. main roads. $1,000,000 or more. R. Harrison, Goliad, co. engr.

Tex., Luling—Plans hard paving 7 blocks various streets, 45 ft. $30,000. Address F. Greenwood, mayor.

Tex., Memphis — Making plans vertical fibre brick paving 55 blocks various streets, 30 ft. $210,000. F. Du Bois, Shamrock, engr.

Tex., Morton—Cochran Co. voted $300,000 bonds improving roads. Address County Judge.

Tex., Raymondville — Willacy Co. making plans grading, concrete or bituminous macadam paving, etc., 18 mi. State Highway north and south through county, 18 ft. $600,000. J. E. Johnson, Raymondville, engr.

Tex., Sanderson — Terrell Co. making plans grading, bridging and gravel surfacing 5.23 mi. Highway 3 extending west from Val Verde Co. line, 18 ft. $68,700. J. Stovell, Sanderson, co. engr.

Tex., Stephenville — Erath Co. making plans grading, bituminous on sledged and crushed stone paving 0.859 mi. State Highway 10, State Aid Project 563, 18 ft. $47,000. G. W. Courter, Courthouse, Ft. Worth, engr.

Oklahoma — State Hy. Dept., Oklahoma City, **(S. H. means State Highway)**, making surveys grading, etc., 24 mi. Gate-Forgan Rd., S. H. 11, Beaver Co. $35,000, 14 mi. Watoga-Geary Rd., S. H. 8, Blaine Co. $40,000, 11 mi. S. H. 13, Dewey Co. $35,000, 11 mi. Keno-Buffalo Rd., S. H. 11, Harper Co. $36,000, 9 mi. Gymon Rd., S. H. 11, Texas Co. $30,000, 11 mi. Sharon-Vici Rd., S. H. 15, Woodward Co. $40,000, and 9 mi. Moorland-Belva Rd., S. H. 15, Woodward Co. $40,000; grading and clay surfacing 7 mi. Arnett Bridge Rd., S. H. 13, Ellis Co. $25,000, and 12 mi. Ringwood-Major Co. line Rd., S. H. 14, Major Co. $55,000, all above roads 30 ft. wide; gravel surfacing 6 mi. Alva Rd., S. H. 1, Woods Co., 18 ft., $35,000. J. M. Page, highway engr.

Okla., Wewoka—Plans grading, curbing and vertical fibre brick paving 7,800 sq.yd. Pearl, Plum and Sycamore Sts., $38,200. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colo., Denver—Plans concrete paving 12 blocks each Alley Paving Dist. 137, $21,842; Dist. 138, $17,002; Dist. 139, $19,254; Dist. 140, $18,971. A. K. Vickery, City Hall, engr.

Colo., Denver — Plans curbing, grading and surfacing 40 blocks Montclair Impvt. Dist. 3, $119,000; asphalt paving, etc., 12 blocks each East Denver Paving Dists. 20 $44,209, 21 $42,790, 22 $39,714, 23 $51,344, 24 $51,388, 25 $40,761 and 26 $43,361. A. K. Vickery, City Hall, engr.

Calif., Berkeley — Plans paving, etc. portions of Parker and Shattuck Aves. etc., to exceed $25,000; Euclid Ave. between Bay View Pl. and Regal Rd., etc., $140,000; and 7th St. from University Ave. to city-limits, $125,000. J. N. Edy, city mgr.

Calif., Fresno—Make plans improving Weldon Ave. between Van Ness and Speedway Tract, 28,422 sq.ft. 4 in. asphalt paving, 42,306 sq.ft. grading, 1,015 lin.ft. concrete curbing, 2,213 sq.ft. concrete guttering, 5,064 sq.ft. walks, etc. A. M. Jensen, city engr.

Calif., Oakland—E. K. Sturgis, city clk., soon takes bids grading, curbing, guttering, paving, etc., Peralta Ave. between 7th St. and Emeryville city limits. To exceed $200,000. W. W. Harmon, city engr. Noted Jan. 21.

Calif., Pasadena — Plans grading, curbing, resurfacing and 2 in. asphaltic concrete on 7 in. concrete paving, etc., Municipal Impvt. Dist. 7. $450,000 or more. B. Chamberlain, city clk.

Calif., Vallejo—Plans paving highway over reclaimed tideland from Sonoma and Maryland Sts. to 4th St., South Vallejo. To exceed $25,000. T. D. Kilkenny, city engr.

BIDS DESIRED

N. Y., Hamburg—Feb. 23, by Village Bd., concrete paving 2 mi. Buffalo St., 40 ft. $50,000. G. C. Diehl, Ellicott Square Bldg., Buffalo, engr. Noted Jan. 7.

Pennsylvania — Feb. 16, by State Hy. Dept., Harrisburg, furnishing 3,210,000 gal. Specification 1, and 300,000 gal. Class "E" wax oil, and furnishing and applying same on various roads.

Pa., Ebensburg—Mar. 1, by Comrs. Cambria Co., brick or concrete paving 3,300 ft. Menoher Highway, connection Ligonier Pike, 18 ft. $40,000. L. R. Owens, Ebensburg, co. engr.

Pa., Greensburg — Feb. 23, by W. A. Arter, controller Westmoreland Co., reconstructing 10,007 lin.ft. Vandergrift-Chambers School House Rd. in Allegheny and Washington Twps.

W. Va., Milton—Feb. 16, by Common Council, grading, curbing, and bituminous macadam with Bermudez road asphalt binder, or with oil asphalt binder, concrete, or vitr. brick with Portland cement concrete base and asphalt filler paving Harrison St. from Smith St. to Glenwood Ave.; Smith St. from Harrison to Florida Sts.; Florida St. from Smith St. to Washington Ave.; South Main St. from Smith St. to Joe Dillons Property; alley between North Main and Church Sts; and alley from North Main St. to alley between Lots 23 and 24. R. W. Breece, Holswade Bldg., 317 9th St., Huntington, engr.

Florida — Mar. 2, by State Rd. Dept., Tallahassee, clearing, grading, grubbing, etc. Project 644-A, Wakulla Co.; laying base of Florida lime rock 8 in. compacted on Projects 617 and 618, Alachua Co.; 2 bridges Project 641-B, Palm Beach Co.; 1 bridge project 656, Palm Beach Co.; 2 bridges Project 672-B, Leon Co.; and 2 rein.-con. structures Project 633-B, Gadsden Co. J. L. Cresap, highway engr.; adv. E. N.-R. Feb. 11.

Fla., Key West—Feb. 18, by Bd. Comrs. Monroe Co., Court House, native rock and oil paving and bridging 7.5 mi. Project 7, 7.5 mi. Project 9, and 13 mi. Project 10. J. O. Kirchheiner, chn.

Alabama—Mar. 10, by State Hy. Comn., Montgomery, sand clay surfacing 5.3 mi. Gantt-Andalusia Rd., Covington Co., $76,000; plain concrete and bituminous surfacing 6.8 mi. Capitol Heights-Judkins Ferry Bridge Rd., $75,100 to $85,000; chert surfacing 4.2 mi. road beginning of Sect. B of Federal Aid Project 6,700 Talladega Co., $67,000; grading and gravel surfacing 9.8 mi. Selma Highway from Kimbrough to Clark Co. line, Wilcox Co., $124,000, all above 18 ft. wide.

Ala., Birmingham — Mar. 1, by City Comn., asphalt paving 1 block 10th Court South, $2,515; and 8 blocks 7th Ave. S., $45,175, both 40 ft. Address City Engineer.

Ala., Selma—Mar. 1, by City Council, concrete paving 8 blocks Dallas Ave., 40 ft. $56,000.

Miss., Quitman—Feb. 24, by Bd. Supervs. Clarke Co., improving 14.72 mi. Meridian-Waynesboro Rd., Federal Aid Projects 78-A and 83-B. $110,000.

See proposal advertisements on page 130, Advertising Section.

Announcing

The Acquisition of the Nichols Patents for Making Centrifugal Concrete Products

This is to announce that the Nichols patents for making centrifugal concrete products have been acquired by the Nichols Centrifugal Products Corporation, with general offices at Detroit, Michigan.

This means that the Nichols Centrifugal Products Corporation is prepared: (1) to make centrifugal concrete products, such as pier and bridge piles, sewer pipe, water pipe, culvert pipe, lighting standards, poles and posts; (2) to furnish engineers manufacturing specifications and proposals for their requirements; and (3) to license manufacturers the right to operate and use our centrifugal machinery.

Inquiries solicited from those who may be interested

Nichols Centrifugal Products Corp.
8100 E. Jefferson Ave.,
Detroit, Mich.

Streets and Roads (Continued)

Tenn., Nashville — See "Contracts Awarded."

Ohio—Feb. 19, by Dept. Highways & Pub. Wks., Columbus, surfacing with (a) concrete (b) bituminous macadam (c) gravel (d) brick, 1.922 mi. Sect. "B" National Rd. (a) $65,059 (b) $60,315, and 2.202 mi. Sect. "E" National Rd. (a) $71,104 (b) $63,415, both 20 ft., Clark Co., 3.82 mi. Sect. "C-2 and C-3" Findlay-Delphos Rd., 16 ft., Hancock Co. (a) $104,663 (b) $103,046, 2.789 mi. Sect. "C" Shelby-Ashland Rd., 18 ft., Richland Co. (a) $103,880 (b) $104,107, 0.97 mi. Sect. "L-1" Mansfield-Millersburg Rd., 18 and 19 ft., Holmes Co. (a) $2,967, 3.35 mi. Sect. "C-2" Vernon-Mt. Gilead Rd., 18 ft., Knox Co. (a) $96,945 (d) $127,387, and 2.95 mi. Sect. "E" Mt. Vernon-Coshocton Rd., 16 ft., Coshocton Co. (c) $43,761; grading, widening, etc., 2.457 mi. Sect. "G" Allensburg-Lynchburg Rd., 17 ft., Highland Co. $15,443; grading, etc., 2.229 mi. Sect. "G" Newark-Coshocton Rd., 29½ ft. Licking Co., $24,106. F. G. Schlesinger, highway engr.

Ohio—Feb. 19, by Dept. Highways & Pub. Wks., Columbus, grading and traffic bound limestone paving 6,693 ft. Sect. "A-3" & "B" McArthur-Logan Rd., Hocking Co., $88,236, 0.097 mi. Sect. "B-2" same road, paving 3.85 mi. Sects. "O" and "P" South Solon Rd. Madison Co., bituminous macadam $109,153, concrete $109,448; paving 3.93 mi. Sect. "A" East Akron-Massillon Rd., Summit Co., brick $218,823, concrete $158,380; bituminous macadam paving 3.377 mi. Sect. "P" Chagrin Falls-Greenville Rd. Trumbull Co., $103,799. F. G. Schlesinger, highway engr.

O., Portsmouth—Feb. 16, by J. R. Lynch, dir. Pub. Serv., grading, curbing and brick or asphalt paving 3,220 ft. Chillicothe St. from 2nd to North Sts. 34 ft. $28,000.

Illinois—Feb. 19, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete with or without binder course paving 6.04 mi. Route 11, Sect. 40 Madison Co., 1.96 mi. Sect. 1, 4.21 mi. Sect. 2, 4.73 mi. Sect. 7 and 7.08 mi. Sect. 8 Route 30, Peoria Co., 4.81 mi. Sect. 14, 4.83 mi. Sect. 15, 3.53 mi. Sect. 16 and 4.86 mi. Sect. 17 Route 36 Pike Co., 7.22 mi. Route 40, Sect. 5 Carroll Co., 6.62 mi. Route 40, Sect. 7 Carroll and Whiteside Counties, 4.66 mi. Route 40, Sect. 8 Whiteside Co., 1.65 mi. Route 4, Sect. D-1, Macoupin Co., all above 18 ft. wide; grading 39,499 cu.yd. Route 40, Sect. 5-A, Carroll Co. F. T. Sheets, highway engr.

Ill., Batavia—Feb. 17, at City Hall, grading, curbing, guttering, and concrete paving 27,000 sq.yd. various streets. Wells Eng. Co., Court House, Geneva, engrs.

Ill., Pittsfield — Feb. 18, by Bd. Local Impvts., City Hall, grading, curbing, guttering and 7 in. rein.-con. paving 27,385 sq. yd. various streets in Central Paving Dist. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engr.

Ia., Albia — Feb. 18, by Bd. Supervs. Monroe Co., grading, etc. 9.87 mi. Albia Rd., Federal Aid Project 240 A and B, 160,978 cu.yd. excav., 46,000 yd. overhaul, etc. E. R. Seidel, Albia, engr.

Ia., Carroll — Feb. 23, by Bd. Supervs. Carroll Co., improving 7.166 mi. Primary Road south of Carroll and east of Templeton, Federal Aid Project 154 E and D, 142,574 cu.yd. excav., 168,741 yd. overhaul, etc. J. R. Maher, Carroll, engr.

Ia., Corydon — Feb. 16, by Bd. Supervs. Wayne Co., improving 9.336 mi. Primary Rd. from Corydon north, Federal Aid Project 237, 218,808 cu.yd. excav., 435,300 yd. overhaul, etc. D. L. Thomas, Corydon, engr.

Ia., West Liberty — Feb. 16, by City Clerk, grading, curbing and various types paving 35,000 sq.yd. various streets. Brown & Cook, Ottumwa, engrs. Noted Jan. 21.

Kan., McPherson—Feb. 18, by Clerk McPherson Co., grading, etc., 7.817 mi. Project 278A, incl. one 60 ft. steel truss, one 40 ft. concrete deck girder, and two 18 ft. concrete slab spans.

N. D., Dickinson—Mar. 8, by City Comrs., grading and various types paving 83 blocks various streets. E. R. Griffin, Mandan, consult. engr.; adv. E. N.-R. Feb. 11.

Mo., St. Louis—Mar. 2, by Bd. Pub. Serv., 208 City Hall, concrete paving 19,800 sq.yd. Alleys 1245, 2868 E, 2997, 2999, 3000, 3016, 3038, 3607, 4364, 4411 A, 4602 E, 5127, 5128, 5203, 5204, 5205, 5206, 5525, 5531 and 5532, $55,430; concrete paving, etc. 3,790 sq.yd. Missouri St., $20,520; asphalt paving, etc. 25,260 sq.yd. Easton Ave. $152,000 and 8,480 sq.yd. Lynch St. $58,000; asphaltic concrete paving, etc. 3,075 sq.yd. Bernard St. $21,320 and 965 sq.yd. Theodore St. $12,400; Warrenite bitulithic concrete paving, etc 2,860 sq.yd. Wydown St., $11,720; also 790 ft. 10- to 15-in. vitr. clay sewer in Dale Ave. Sewer 6, $3,000. W. W. Horner, 300 City Hall, engr. Noted Dec. 10.

Calif., Brawley — City Trustees taking bids 6 in. concrete paving 128,000 sq.ft. K, 8th Sts., etc. G. R. Wade, city engr.

Calif., Los Angeles—Feb. 23, by Supervs. Los Angeles Co., improving Live Oak Ave. between Baldwin and El Monte Aves., 5,068 cu.yds. excav., 79,980 sq.ft. 9-7-9-in. concrete paving, etc.

Calif., Santa Cruz—S. A. Evans, city clk., taking bids grading, curbing, concrete paving, etc., portions of Berkeley Way, Market and Washburn Sts., etc. To exceed $25,000. J. K. James, city engr. Noted Jan. 21.

Wash., Seattle—Feb. 22, by Comrs. King Co., grading and gravel surfacing 2.5 mi. Des Moines-Kent Highway. $60,000. T. R. Beeman, city engr.

Wash., Seattle—Feb. 23, by Comrs. King Co., concrete paving 1.5 mi. North 85th St. (P. H. No. 6), 16 ft. $50,000. T. R. Beeman, Seattle, engr.

BIDS RECEIVED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Feb. 4, from Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving Bermuda St. between Duncan St. and point about 282 ft. south and Edgemont St. between point 427 ft. south of Orthodox and Eddington Sts., $13,975, also Rutland St. between Harrison and Wakeling Sts. $7,051, from Barber Asphalt Co., 239 North 30th St., Bodine St. between Bristol and Cayuga Sts. $6,037, Nedro St. between 21st and Kemble Sts. $9,245, 5th St. between Nedro and Godfrey Sts. $25,581, 20th St. between Andrews and Middleton Sts. $5,765, and asphalt repaving 52nd St. between Baltimore and Warrington Sts. $78,824; from Eastern Asphalt Co., 1504 Pennsylvania Bldg., asphalt paving Conlyn St. between Ogontz and Grange Sts. $8,565, from Union Paving Co., 30th and Locust Sts., Torresdale St. between I and N Sts., $94,583; from Fish-Rutherford, Inc., 4058 Chestnut St., redressed granite block repaving (track areas) of Erie St. between Germantown Rd. and 2nd St. $60,142, Girard St. between 54th and 60th Sts. $29,418, 12th St. between Columbia and Huntingdon Sts. $32,628, 19th St. between Girard and Susquehanna Sts. $32,571, and 29th St. between Lehigh and Allegheny Sts. $28,292; from Acchione & Canuso Paving Co., 804 South 12th St., redressed granite block repaving 4th St. between Market and Race Sts. $14,687, from Municipal Paving Co., 702 Catharine St., 4th St. between Pine and Catharine Sts. $25,671; and from R. B. Wenner, 2313 Walnut St., grading Holme Ave. between Holme Circle (Welsh Rd.) and Willits Rd. $45,032. Noted Jan. 28.

Fla., Miami—City Comrs., Jan. 25, **(e. e. means engrs. est.)**, from Highway Constr. Co., West 112th St. and Madison Ave., Cleveland, O., grading, curbing, guttering, 2 and 3 in. sheet asphalt surfacing PV 69, $249,005 e. e. $247,789, PV 70, $332,698 e. e. $329,518, PV 71, $276,975 e. e. $274,604, PV 72, $395,671 e. e. $389,429, PV 73, $253,967 e. e. $221,194, PV 74, $235,204 e. e. $229,351, PV 75, $256,791 e. e. $246,826. Noted Jan. 7.

Kentucky — State Hy. Dept., Frankfort, Dec. 7, grading, etc., 6.761 mi. Louisa-Inez Rd., State Project 39, Lawrence Co., from Hart & Cooper, Whitesburg, $59,937. Noted Oct. 29.

Ill., Chicago—Bd. Local Impvts., Feb. 1, City Hall, substructure and superstructure of Sect. 9, South Water St. Impvt. from east line State St. to west line Wabash Ave., from Mid-Continent Constr. Co., 6 North Michigan Ave., $547,131. Noted Jan. 28.

Mo., St. Louis — Dept. Pub. Serv., 208 City Hall, Jan. 26, from Webb-Boone Paving Co., 5103 Fyler Ave., asphaltic concrete paving 2,185 sq.yd. Alfred Ave. $12,031, 2,915 sq.yd. Arthur Ave. $17,019, 830 sq.yd. Hi-Points Pl. $5,075, 1,060 sq.yd. Kansas St. $5,944 and 3,115 sq.yd. Marmaduke St. $13,060; from Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., Warrenite paving, etc, 1,635 sq.yd. Michigan Ave. $8,372, 3,010 sq.yd. Cardinal St. $20,308 and 3,490 sq.yd. Pennsylvania St. $18,936; from Granite Bituminous Paving Co., Ry. Exch. Bldg., Warrenite bitulithic paving, etc. 3,060 sq.yd. Nagel St., $21,297; and from Skrainka Constr. Co., Security Bldg., concrete guttering, etc. 1,780 sq.yd. Delmar Blvd., $20,473.

Tex., Gilmer—L. G. Martin, city secy., paving 27,000 sq.yd. various streets from Cocke & Turner, Marshall, 7 in. concrete $53,021; from General Constr. Co., Cotton Exch. Bldg., Ft. Worth, brick on concrete $44,444; from D. B. Talliaferro, Sherman, brick on gravel $58,692. Engrs. est. $60,000. Noted Jan. 14.

Tex., Tulia—J. H. O'Neall, mayor, Jan. 26, 2½ in. brick on 4 in. concrete paving business streets, from Jordon Constr. Co., Plainview, approximately $3.16, total about $40,000.

Calif., Los Angeles—From J. G. Donovan, 741 Lyon St., improving Dixie Canyon Ave., etc., grading approximately $83,950, 24,795 ft. wood guard rail $0.54 per ft., etc., total $100,679; from Griffith Co., Railway Bldg., Pacific Ave. between Hamilton and Paseo Del Mar, grading $3,500, 59,225 sq.ft. asphaltic concrete paving $0.195 per ft., 59,219 sq.ft. walks $0.155, etc., also Walker Ave. between 18th and 25th Sts., grading $14,226, 181,627 sq.ft. 5 in. concrete paving $0.17 per ft., 171,915 sq.ft. asphaltic concrete paving $0.16, etc., total $120,785.

CONTRACTS AWARDED

W. Va., Beckley—Raleigh Co., Bermuda asphalt, tarvia and oil surfacing 15.25 mi. Projects 1, 2, 4 and 6, to A. Keatley Co., Prof. Bldg., Charleston, $316,961; Bermuda asphalt surfacing 4 mi. Project 3, Johnstown-Lanark Rd., to Dougher-Boone Constr. Co., Lewisburg, $88,065; oil asphalt surfacing 2 mi. Project 5, Beckley-Raleigh Rd., to Raleigh Transportation Co., Beckley, $42,469. Grand total $447,495. Noted Jan. 7.

W. Va., Buckhannon—Rein.-con. surfacing Franklin, Pinnell, Hart and Island Sts., to Kennedy Constr. Co., Parkersburg, $27,000; 1st, Sedgwick, Barbour, South Florida and Lincoln Sts., to Phillips & Withers, Buckhannon, $61,000. Noted Feb. 4.

Georgia — State Hy. Dept. East Point, grading, etc., 13.5 mi. Brunswick-Jacksonville Rd., State Aid Project 432-S, Camden Co., to F. M. Jones, 2501 Habersham St., Savannah, $111,164. Noted Jan. 21.

Miss., Jackson—Bd. Supervs. Hinds Co., improving 7.51 mi. Federal Aid Project 82-B, 31,411 cu.yd. excav., 29,043 cu.yd. borrow, 151,497 lb. reinforcing, 6,220 ft. piling, etc., to S. K. Jones Constr. Co., Rand Bldg., Memphis, Tenn., $65,254. Noted Jan. 7.

Miss., Waynesboro—Wayne Co., improving 6.876 mi. Federal Aid Project 83-A, 37,784 cu.yd. excav., 24,116 lb. reinforcing, 14,311 cu.yd. gravel overhaul, timber bridges, etc., to J. A. Perdue & Co., Pine Bluff, $57,675.

La., Shreveport — City Council, national rock asphalt paving Gilbert St. from Olive to Boulevard Sts. and Olive St. from Gilbert to Centenary Blvd., to Shreveport Paving Co., Shreveport, $11,903 and $13,312 respectively.

Tenn., Nashville—Davidson Co. will oil surface various highways, by day labor, under supervision of S. Marshall, supt. highways. To exceed $25,000.

Tenn., Savannah—Concrete paving various streets, to Brown Contg. Co., Chattanooga, approximately $25,000. Noted Dec. 10.

Ohio—Dept. Hys. & Pub. Wks., Columbus, to Homeberger-Wagar Co., Sandusky, grading and brick on concrete paving 2.49 mi. Sect. "B-2" Chagrin Falls-Cuyahoga Falls Rd., 18 and 20 ft. Cuyahgoa Co. $105,500, 0.937 mi. same road 18-20 and 30 ft. $44,900, 2.319 mi. Sect. "A" Twinsburg-Elyria Rd., 18 ft., Summit Co. $70,700, 2.319 mi. Sect. "Macedonia" same road $80,835, and 3.436 mi. Sect. "Northfield" same road, $111,900; to Losey Eng. & Supply Co., Kenton, concrete paving 1.011 mi. Sect. "Ripley" Ripley-Hillsboro Rd., 18 ft., Brown Co. $30,747, 0.229 mi. Sect. "Ripley" same road $9,673, to J. C. Nibble, Hillsboro, 4 mi. Sect. "H" Hamilton-Eaton Rd., 18 ft., Butler Co. $116,049, to Brewer & Brewer Sons, Chillicothe, 3.105 mi. Sect. "K-2" Jackson-McArthur Rd., 16 ft., Jackson Co. $90,027, to Holmes Constr. Co., Wooster, 3.906 mi. Sect. "M" Cleveland-East Liverpool Rd., 18 ft., Mahoning Co. $115,201; to J. S. Wilson, Coalton, bridging, etc., 3.848 mi. Sect. "K" Jackson-McArthur Rd., Jackson Co., 35,232 lb. reinforcing, 322 ft. vitr. pipe, etc., $20,855. Grand total $796,387. Noted Jan. 14.

Ill., Elmwood — Concrete paving 5,635 sq.yd. and brick on concrete paving 2,037 sq.yd. Main St., to H. A. Reschke Co., Geneseo, $25,757. Noted Jan. 21.

Ill., Macomb—Vibrolithic concrete paving, etc. 8,900 sq.yd. East and West Pierce St. and North Charles St., to H. C. Holmes, Macomb, $32,566.

Mo., Neosho—City Clerk, curbing, guttering and concrete paving 13,786 sq.yd. various streets, to Prince & Minton, Parsons, Kan. Noted Jan. 14.

Ark., Batesville—Southern Surety Co., A. O. U. W. Bldg., Little Rock, sheet asphalt surfacing unfinished portion of original 76,000 sq.yd. various streets in Paving Dist. 4, to Kaw Paving Co., Pine Bluff, Ark., and 616 N. E. Bldg., Topeka, Kan. Noted June 18.

See proposal advertisements on page 130, Advertising Section.

Streets and Roads (Continued)

Tex., Angleton — Brazoria Co., 1½ in. bituminous on crushed stone paving 6.59 mi. State Highway 19, Federal Aid Project 367-A, also 10.88 mi. same road, Federal Aid Project 367-B, both 16 ft., to Haden & Austin, Santa Fe and Runnels Bldg., Houston, $55,436 and $92,885 respectively. Engrs. est. $65,000 and $120,000 respectively. Noted Nov. 19 and Dec. 3.

Tex., Gatesville — Coryell Co., uvalde rock asphalt paving various streets, to W. E. Dozier, 348 Austin Natl. Bank Bldg., Austin, $64,485. Engrs. est. $68,000.

Ariz., Globe — To Phoenix-Tempe Stone Co., Phoenix, improving various streets, 2,235 cu.yd. roadway excav. at $1 per cu. yd., and 10,560 sq.yd. 6 in. concrete paving $2.45, etc., total $31,083.

Calif., Los Angeles—City Harbor Comn., to Pan-Pacific Constr. Co., Citizens Natl. Bank Bldg., improving vicinity of Berths 228, 230, etc., 6 in. rein.-con. floor slab $16,575, 2 in. Warrenite bituminous on 5 in. asphaltic concrete surfacing $16,867, and 2 in. Warrenite bituminous paving on wharf $15,362.

Calif., Los Angeles — Grading, curbing and concrete paving, etc., Reseda Ave. between Valerio and Van Owen Sts., to B. R. Ford, 407 West 17th St., $42,512; grading and concrete paving 136,225 sq.ft. Temple St. between Park View and Robinson Sts., to W. Liddington, 420 East 60th St., $45,-125; 6 and 7 in. concrete paving, etc., Prospect Ave. between Vermont and Talmadge Aves., to C. W. Sparks, 142 North Commonwealth Ave., $28,520. Grand total $116,157. Noted Jan. 28 and Feb. 4.

Calif., Los Angeles — Los Angeles Co., curbing, grading, guttering and concrete paving Palm Ave. between Wallin and Normandie Aves., to H. E. Cox, Slavin Bldg., Pasadena, $30,872. Noted Jan. 21.

Calif., San Diego—A. H. Wright, city clk., grading, curbing and concrete paving Diamond St., to H. H. Peterson, Spreckels Bldg., $53,455; also Front, Upas and Thorn Sts., to Griffith Co., 25 14th St., $28,767. Noted Jan. 14.

Calif., South Pasadena — Improving Arroyo Blvd. between Arm and Columbia Sts., 83,000 sq.ft. concrete paving, 4,200 ft. curbing, etc., to W. J. Curren, 221 West Bway., Glendale, $25,416.

Buildings—Industrial

PROPOSED WORK

Mass., New Bedford—MILL—New Bedford Cotton Mills Corp., Coffin Ave. and Church St., having plans prepared by Lockwood & Walker, Times Bldg., 1 story, 75 x 400 ft., rein.-con. and brick addition. $100,000.

Conn., New Britain—FACTORY and OFFICE—Amer. Hardware Corp., 10 Franklin Sq., had plans prepared 2 story (ultimately 4 story), 60 x 360 ft., concrete, Washington St. $125,000.

N. Y., Buffalo — ICE PLANT — Federal Ice & Coal Co., 761 Kensington Ave., plans ice manufacturing plant. $50,000.

N. Y., Mount Morris—MILL—Gailbraith Milling Co., plans reconstructing flour and feed mill, recently destroyed by fire. $60,000.

Pa., Altoona—PACKING PLANT—Shaffer Stores Co., 717 Green Ave., having plans

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Dec. 31, for Sect. No. 2, Route No. 102, along and under 8th Ave., from West 18th to 28th Sts., (A) G. H. Flinn, 17 Battery Pl., (awarded contract); (B) D. C. Serber, Grand Central Terminal; (C) The Carleton Co., Inc., 151 West 42nd St.; (D) S. B. Mason, 17 West 60th St.; (E) Underpinning & Foundation Co., 342 Madison Ave.; Patrick McGovern, 50 East 42nd St., $5,482,403; Heyman & Goodman Co., 236 West 116th St., $6,199,815. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
135,000 cu.yd. earth excavation	$12 15	$12 00	$13 00	$13 00	$17 00
75,000 cu.yd. rock excavation	17 00	16 00	16 00	15 00	17 00
23,000 cu.yd. concrete masonry	24 00	23 00	23 00	24 00	28 00
85,000 sq.ft. rubbing of concrete	12	11	10	15	20
5,000 cu.yd. protective concrete masonry	24 00	28 00	23 00	24 00	28 00
1,400 cu.yd. rubble stone masonry	14 00	13 80	16 00	15 00	20 00
20 cu.yd. rubble stone masonry, dry	14 00	13 80	25 00	12 00	16 00
200 cu.yd. brick masonry	35 00	40 00	45 00	50 00	60 00
25 sq.yd. vitrified brick lining for sewers	5 00	8 40	10 00	7 00	8 00
25 cu.yd. hollow terra cotta brick or tile masonry	45 00	40 00	40 00	50 00	60 00
100 bbl. grout of Portland cement	7 00	6 00	6 00	10 00	6 00
200 sq.yd. plastering on hollow tile at D. M.	2 00	2 00	2 50	2 00	3 00
25 cu.yd. broken stone or gravel	5 00	6 00	7 00	8 00	6 00
10,500 sq.yd. waterproofing, 1 ply	1 25	90	1 00	1 50	90
19,000 sq.yd. 3 ply	3 00	2 90	2 50	3 00	2 70
200 sq.yd. 4 ply	4 00	3 85	4 00	4 00	3 60
5,400 sq.yd. 5 ply	5 00	4 55	4 50	5 00	4 50
1,200 sq.yd. 6 ply	6 00	5 30	5 50	6 00	5 40
100 sq.yd. dry ply	1 00	60	1 00	1 00	90
600 cu.yd. one layer brick in mastic	55 00	50 00	50 00	55 00	50 00
600 cu.yd. two layers brick in mastic	55 00	45 00	50 00	55 00	50 00
1,500 lin.ft. 3-in. cast iron pipe and fittings	1 20	1 25	1 50	2 00	1 50
500 lin.ft. 4-in.	1 60	1 50	2 00	3 00	2 00
600 lin.ft. 6-in.	2 25	2 10	2 50	3 50	3 00
2,900 lin.ft. 8-in.	3 50	3 60	3 50	4 50	4 00
50 lin.ft. 10-in.	6 00	4 70	6 00	6 00	5 00
100 lin.ft. 3-in. standard galvanized steel pipe	1 25	1 20	2 00	2 00	1 50
300 lin.ft. 4-in.	1 50	1 60	2 50	3 00	2 00
100 lin.ft. 6-in.	2 25	2 50	3 50	4 00	3 00
180 lin.ft. 8-in.	4 00	3 30	4 50	5 00	4 00
50 lin.ft. 10-in.	6 00	4 70	7 00	7 00	5 00
100 lin.ft. 1½-in.	75	65	2 00	2 00	1 00
50 lin.ft. 2½-in.	1 00	1 00	2 00	2 00	1 25
163,000 duct.ft. tunnel ducts	30	30	30	40	37
360 con.ft. 3-in. fiber conduits	30	60	50	50	50
2,850 ton riveted steel painted and erected standard shapes	140 00	120 00	120 00	125 00	123 00
2,600 ton riveted steel painted and erected Beth.	150 00	140 00	130 00	.....	.....
3 ton arch. steel and iron stairs, ladders, pipe railings, etc.	400 00	600 00	500 00	400 00	500 00
500 sq.ft. sliding doors with steel panels	6 00	5 00	6 00	7 00	8 00
2 exit covers	500 00	385 00	500 00	750 00	600 00
130 ton steel rods and bars built in concrete	150 00	110 00	120 00	120 00	120 00
30 ton miscellaneous iron castings	200 00	235 00	250 00	250 00	360 00
1,400 lb. special wire forms	20	20	25	30	40
4,200 lin.ft. 1¾-in. oak or ash handrail	80	72	60	60	60
5,750 sq.ft. steel grating for ventilation	4 50	3 50	4 50	4 00	4 50
5,300 sq.yd. sidewalk restoration	3 50	2 55	3 50	3 00	3 60
900 sq.yd. street repavement asphalt	6 00	5 00	5 00	6 00	4 50
200 sq.yd. granite black pavement	5 50	5 00	5 00	5 00	3 00
1,700 sq.yd. Belgian block pavement	5 50	5 00	5 00	5 00	3 00
15,300 sq.yd. wooden block pavement	5 50	6 25	6 00	5 00	5 00
500 sq.yd. upper 3-in. of concrete walls	3 75	2 20	3 00	3 00	6 00
18,100 sq.yd. temporary pavement of granite block	3 00	3 00	3 00	3 00	1 75
7,500 lin.ft. ¾-in. electric conduits in place	40	36	40	40	25
50 lin.ft. 1½-in.	1 00	78	80	80	50
200 lin.ft. 2-in.	1 25	93	1 00	1 00	80
5,800 lin.ft. 1-in.	1 00	45	50	50	40
100 lin.ft. 3½-in.	3 00	2 30	2 00	2 00	1 20
10 lin.ft. 2½-in.	2 00	1 30	2 00	1 75	1 00
780 cast iron outlet boxes 4 x 4 x 3 in.	2 50	2 00	2 00	2 00	2 00

See proposal advertisements on page 130, Advertising Section.

	A	B	C	D	E
10 cast iron pull boxes 6 x 6 x 4 in	$6 00	$5 50	$7 00	$10 00	$6 00
1 cast iron pull box Tel 6 x 12 x 3 in	20 00	11 00	15 00	15 00	12 00
220 lin.ft. cast iron pipe and fittings 6-in	4 00	2 00	3 00	4 00	3 00
360 lin.ft. cast iron pipe and fittings 3-in	2 00	1 45	2 00	2 50	2 00
10 lin.ft. cast iron pipe and fittings 4-in	3 00	1 80	2 50	3 00	2 50
300 lin.ft. cast iron pipe and fittings 8-in	5 00	2 80	4 50	6 00	4 00
500 lin.ft. 12-in. vitrified sewer pipe	5 00	5 35	8 00	8 00	10 00
1,500 lin.ft. 15-in	6 00	7 20	10 00	10 00	11 00
1100 lin.ft. 18-in	6 50	8 00	12 00	12 00	15 00
700 lin.ft. 24-in	14 00	10 00	12 00	15 00	18 00
100 ton cast iron sewer pipe, straight	135 00	102 00	120 00	125 00	200 00
75 ton cast iron sewer pipe, special	275 00	216 00	200 00	200 00	350 00
1,100 lin.ft. concrete sewers 3 ft. 6 in. x 2 ft. 4 in	20 00	20 00	25 00	22 00	30 00
250 lin.ft. 4 ft. x 2 ft. 6 in	20 00	21 40	27 00	25 00	32 00
225 lin.ft. 5 ft. x 4 ft. 6 in	25 00	33 00	45 00	40 00	37 00
200 lin.ft. 4 ft. 9 in. x 3 ft.	20 00	25 00	50 00	30 00	35 00
200 lin.ft. 5 ft. 3 in. x 3 ft. 4 in	25 00	27 60	45 00	40 00	40 00
260 lin.ft. 5 ft. 3 in. x 4 ft. 9 in	30 00	32 70	50 00	50 00	42 00
210 lin.ft. 5 ft. 6 in. x 4 ft. 10 in	30 00	35 00	55 00	60 00	50 00
80 lin.ft. 7 ft. 6 in. x 5 ft. 9 in	30 00	50 00	70 00	75 00	80 00
5,710 lin.ft. electric railways (under grd. trolley)	20 00	20 00	15 00	15 00	10 00
600 lin.ft. water pipe 6-in	1 50	2 20	3 00	3 00	5 00
700 lin.ft. water pipe 12-in	3 00	4 10	5 00	4 50	10 00
100 lin.ft. water pipe 20 in	6 00	7 20	10 00	7 50	15 00
10 service connections for water pipe	60 00	50 00	50 00	50 00	100 00
100 lin.ft. gas pipe 4-in	1 50	1 75	2 00	2 00	3 00
100 lin.ft. 6-in	2 00	2 50	3 00	2 50	5 00
250 lin.ft. 8-in	2 50	2 90	3 00	3 00	7 00
100 lin.ft. 10-in	3 00	3 60	3 25	4 00	8 00
100 lin.ft. 12-in	3 50	4 10	4 00	5 00	10 00
100 lin.ft. 16-in	5 00	5 00	5 00	6 00	15 00
300 lin.ft. steel by-pass pipe 6-in. on street	4 00	6 20	6 00	12 00	30 00
100 lin.ft. 8-in on street	4 00	8 60	7 00	16 00	30 00
100 lin.ft. 10-in. on street	5 50	10 00	10 00	21 00	40 00
3,600 lin.ft. 12-in. on street	5 50	13 50	14 00	24 00	24 00
100 lin.ft. 16-in. on street	6 00	23 20	18 00	28 00	60 00
150 lin.ft. 20-in. on street	9 00	25 00	20 00	35 00	80 00
3,600 lin.ft. 24-in. on street	13 00	26 50	30 00	40 00	50 00
100 lin.ft. 4-in. on street	4 00	5 80	5 00	10 00	20 00
100 lin.ft. 30-in. on street	20 00	36 00	30 00	60 00	100 00
250 lin.ft. above street 12-in	10 00	11 00	15 00	25 00	40 00
200 lin.ft. above street 16-in	15 00	14 30	20 00	30 00	50 00
200 lin.ft. above street 30-in	30 00	37 00	30 00	60 00	100 00
1,100 lin.ft. cable susp. for pipes over 16-in	20 00	10 30	10 00	20 00	10 00
150 lin.ft. cable susp. for pipes under 16-in	20 00	10 30	10 00	20 00	10 00
5 service connections for gas pipe	15 00	100 00	50 00	50 00	100 00
10 ton new c. i. hub and spigot straight pipe	100 00	110 00	120 00	120 00	80 00
5 ton new c. i. hub and spigot special castings	230 00	220 00	200 00	250 00	200 00
100 lin.ft. high pressure water pipe, 8-in	5 00	5 00	6 00	10 00	4 00
400 lin.ft. 12-in	8 00	7 30	8 00	12 00	6 00
100 lin.ft. 16-in	13 00	9 75	10 00	14 00	8 00
1,000 lin.ft. 20-in	18 00	13 40	15 00	16 00	10 00
300 lin.ft. 24-in	23 00	18 30	20 00	24 00	12 00
100 ton new c. i. spigot and grooved straight pipe	130 00	135 00	140 00	250 00	80 00
35 ton new c. i. spigot and grooved, special castings	250 00	310 00	240 00	500 00	200 00
100,000 duct.ft. electric ducts and conduits (clag)	.40	.50	.40	.50	.30
30,000 lin.ft. electric ducts and conduits (steel 3-in)	.80	1 45	.45	.60	.70
10,000 lin.ft. electric ducts and conduits (steel 3½-in.)	1 00	2 00	.55	.70	.90
10 electric ducts and conduits, service conn	100 00	60 00	75 00	150 00	200 00
100 lin.ft. electric ducts and conduits (fiber 3-in.)	.45	.50	2 00	.60	.80
100 lin.ft. electric ducts and conduits (fiber 3½-in.)	.60	.60	2 00	.65	1 00
1 service box on relocated duct lines	200 00	200 00	200 00	250 00	400 00
1 junc. box on relocated duct lines	400 00	400 00	300 00	400 00	500 00
Extended totals including item 19A	$5,035,608	$5,121,001	$5,265,545	$5,382,353	$6,199,815
Extended totals including item 19B	$5,026,608	$5,143,001	$5,261,545	.....	.....

* Totals include underpinning of buildings but units do not.

Buildings—Industrial (Continued)

prepared 3 story and basement, 80 x 113 ft., brick, rein.-con. and steel, 9th Ave. $200,000. Private plans.

Pa., Dunbar — GLASS PLANT — Pennsylvania Wire Glass Co., 15th and Chestnut Sts., Phila., having plans prepared 1 story, 60 x 144 ft., and 70 x 144 ft., brick and steel, here. Private plans.

Pa., Lebanon—MILL—Lebanon Hosiery Mill, c/o W. J. Steele & Son Co., engrs., 219 North Broad St., Phila., having plans prepared mill, here.

Pa., Pittsburgh — PLANT — Locomotive Stoker Co., 30 Genl. Robinson St., N. S., having plans prepared 1 story, 30 x 180 ft., brick and steel addition, Robinson St. Hunting, Davis & Dunnello, 1150 Century Bldg., engrs.

Ga., Newman—COTTON MILL—Newman Bank & Trust Co. and A. W. Arnall, Newman, plan cotton mill. $1,000,000.

Fla., Tampa — CHEMICAL PLANT — Tampa Thermaline Gas Corp. (being organized), c/o L. Wolf, chemical engr., Tampa, plans chemical plant, along tracks Seaboard Air Line Ry. $250,000.

Tenn., Columbia — SHIRT FACTORY — Columbia Development Co. plans shirt factory. $50,000. Engineer and architect not selected.

Ky., Hopkinsville—PLANT—Forbes Mfg. Co. plans rebuilding plant, recently destroyed by fire. Loss $500,000.

O., Akron—DAIRY PLANT—Akron Pure Milk Co., E. B. Alexander, genl. mgr., having preliminary plans prepared by M. P. Lauer, 206 Pythian Temple Bldg., 4 story dairy plant, brick, steel and rein.-con. $200,000.

O., Cleveland — FACTORY — Cleveland Tent Co., G. McAuley, pres., 1388 West 70th St., had plans prepared 2 and 4 story and basement, 40 x 75 ft., brick and steel, West 29th St. and Washington Ave. $50,000. Private plans.

Ind., Indianapolis—FACTORY—Standard Nut Margarine Co., G. Sonnich, pres., 1102-16 Roosevelt Ave., having plans prepared by R. N. Edwards, 71st St. near Pennsylvania Ave., 3 story, 50 x 60 ft., brick, steel and rein.-con., Roosevelt and Lewis Sts. $50,000.

Ind., Paragon—FACTORY—Glaser-Crandall Co. having plans prepared by McMeans & Tripp, 510 Majestic St., Indianapolis, packing plant. $40,000.

Ind., South Bend—FOUNDRY, etc.—G. Cutter Co., Division and Notre Dame Sts., having preliminary plans prepared by B. H. Prack, 119 Federal St., Pittsburgh, Pa., group buildings, incl. foundry, machine shop, assembly building, etc., South Notre Dame Ave. $1,000,000.

Wis., Milwaukee — DRY HOUSE — Red Star Yeast & Products Co., 79 Buffalo St., having plans prepared by E. R. Leibert, 49 Oneida St., 3 story, 52 x 100 ft., brick and timber, plain foundation, 27th St. $75,000. Noted Nov. 26.

Wis., West De Pere—COOLING PLANT —Bowman Dairy Co., 140 West Ontario St., Chicago, Ill., plans 2 story, rein.-con. and brick, plain foundation, here. $40,000. Engineer and architect not selected.

See proposal advertisements on page 130, Advertising Section.

Buildings—Industrial (Continued)

Missouri — BRICK PLANT — Missouri Fire Brick Co., c/o J. F. Wash, pres., 6100 Manchester Ave., St. Louis, purchased tract of land between Farber and Vandalia and plans fire brick plant on same.

Mo., St. Louis — PACKING PLANT — Gerst Bros. Meat Co., 3832 Lucky St., takes bids probably in April, 2 story and basement, rein.-con. and brick addition. To exceed $40,000. National Packers Supply Co., 405 Franklin Ave., archts. and engrs.

Tex., El Campo—COTTON COMPRESS, etc.—A. J. Wendell, Jackson St., having plans prepared 24 x 94 ft. cotton compress and cotton gin. $60,000. Private plans.

Tex., San Marcos—TEXTILE MILL—Morris & Co., Inc., Groveville, N. J., having preliminary surveys made textile mill. $200,000. Private plans.

Tex., Texarkana — MACHINE SHOP — Southern Ice & Utilities Co. having plans prepared rebuilding 75 x 140 ft. machine shop and supply plant, recently destroyed by fire. $40,000. Address J. E. Ritchie, genl. mgr.

Tex., Wichita Falls — ICE CREAM PLANT—Colvert Ice Cream Co. (P. and W. L. Colvert, owners), having preliminary sketches made ice cream plant. $150,000. Private plans.

Okla., Cardin—ORE PLANT—A. Beaver Mining Co. had plans prepared 1 story, 160 x 270 ft., rein.-con. and steel, plain foundation. $160,000. G. Stein, Miami, engr. Architect not announced.

Wash., Seattle — POWER PLANT — See "Unclassified."

Calif., Los Angeles — SUB-STATION — Los Angeles Gas & Electric Corp., 810 South Flower St., having plans prepared 2 story, 47 x 100 ft., Class "B" construction, Western Ave. $45,000. Private plans.

Calif., Oakland—SUB-STATION—Great Western Power Co., 530 Bush St., San Francisco, having plans prepared rein.-con. addition, 4th Ave., here. $150,000. Eng. Dept. of Owners, engrs.

Calif., Redwood City — FACTORY — Plant Rubber & Asbestos Co., 537 Brannan St., San Francisco, plans rebuilding factory destroyed by fire. $200,000. Engineer and architect not selected.

Calif., Stockton—FEED MILL—Poultry Producers Assn. of Central California, Inc., 700 Front St., San Francisco, plans feed mill. $200,000.

Que., Quebec—PULP and PAPER MILL—Gulf Pulp & Paper Co., 71 St. Peter St., having plans prepared for pulp and paper mill. G. Hardy, 309 Bway., New York City, engr.

Que., Shawinigan Falls — CARBORANDUM PLANT — Canadian Carborandum Co., plans extending plant. $500,000. R. A. Whiterspoon, Shawinigan Falls, engr.

BIDS DESIRED

Conn., Torrington — FACTORY — See "Contracts Awarded."

N. J., Camden—FACTORY—Feb. 13, by L. B. Rothschild, archt., 215 South Broad St., Phila., 4 story and basement, 100 x 160 ft., rein.-con. and brick, plain foundation, 9th and Liberty Sts., for Congress Cigar Co., 3rd and Spruce Sts., Phila. $300,000. Noted Dec. 31.

Wis., Milwaukee—ICE PLANT—Meyer Ice Co., 885 30th St., taking bids 1 story, 50 x 143 ft., brick and timber, plain foundation 30th St. $40,000. Private plans.

Tex., Galveston—FACTORY—See "Contracts Awarded."

Calif., Los Angeles—FACTORY—H. E. Bean, archt., Central Bldg., taking bids 2 story, 125 x 156 ft. main building, and 30 x 40 ft. accessory building, Macy St. and Mission Rd., for Advance Auto Body Wks., 515 Mission Rd. $125,000. Noted Jan. 21.

CONTRACTS AWARDED

Conn., Torrington — FACTORY — Progressive Mfg. Co., 52 Norwood St., will build 2 story, 55 x 141 ft., brick addition, by day labor. $40,000. W. E. Hunt, 182 Church St., archt. Noted Jan. 21.

N. Y., Glendale (mail Brooklyn)—BOX and PAPER MILL — Pequot Mfg. Co., Thompson Ave., Long Island City, (1st unit), 1 story, 100 x 320 ft., rein.-con. and brick, plain foundation, Schmidt Farm, here, to Austin Co., 217 Bway., New York City. Archts. total est. $2,000,000. Noted Feb. 4.

N. Y., New York—FACTORY—Stewart-Warner Speedometer Corp., 1826 Diversey Blvd., Chicago, Ill., 4 story, 90 x 100 ft., rein.-con., brick and steel top addition, 37 West 65th St., to Smith & Leo, 103 Park Ave. Archts. est. $125,000.

O., Cincinnati — MACHINE SHOP — Dreses Machine Tool Co., 227 West McMicken Ave., 1 story, 90 x 300 ft., brick and steel, plain foundation, Spring Grove Ave., to Austin Co., 16112 Euclid Ave., Cleveland, $100,000.

O., Cleveland—FACTORY—Acme Artificial Silk Co., C. P. Green, genl. mgr., 1294 West 70th St., 1 story and basement, 31 x 110 ft., brick and steel, concrete pile foundation, to W. J. Pierik, 7016 Euclid Ave. Archts. est. $40,000. Noted Dec. 31.

O., Cleveland—FACTORY—Cleveland Automobile Co., J. J. Krall, secy.-treas., London Rd., 4 story and basement, brick and rein.-con. addition, concrete foundation, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $200,000. Noted Jan. 21.

O., Cleveland — FACTORY — Ferbert-Schorndorfer Co., Berea Rd., 2 story, 50 x 130 ft., brick and steel addition, to Austin Co., 16112 Euclid Ave. Archts. est. $100,000.

O., Cleveland — FACTORY — U. S. Air Compressor Co., R. L. Bacher, pres., 5300 Howard Ave., 1 story, 80 x 90 ft. factory addition, to S. W. Emerson Co., Union Bldg. Archts. est. about $40,000.

Mich., Detroit — WHEEL PLANT — A. Kahn, archt., 1000 Marquette Bldg., 1 story, 61 x 414 ft. and 122 x 412 ft. rein.-con., brick and steel addition, Charlevoix Ave., to Wark Co., 12141 Charlevoix Ave., for Budd Wheel Corp. Noted Dec. 3.

Ind., Indianapolis — FACTORY — Lilly Varnish Co., C. M. Malott, pres., 670 South California St., general contract 3 story, brick, steel and rein.-con., 670 South California St., to Mothershead & Fitton, 540 North Meridian St., $45,000.

Wis., Kohler—ENAMEL SHOP—Kohler Co., 1 story, 72 x 228 ft., brick, steel and concrete, plain foundation, to F. Radloff Co., Plymouth.

Wis., Milwaukee — FACTORY — Schmidt Bedding Co., 966 30th St., 2 story and part basement, 34 x 122 ft., brick and timber, plain foundation, Burleigh and 30th Sts., to Byrne Bros., 3112 Burleigh St. Archts. est. $45,000.

Mo., St. Louis — ICE PLANT — H. G. Clymer, archt., Wainwright Bldg., 2 story and basement, rein.-con. and brick, Shaw St. and Missouri Pacific R.R., to McKelvey Constr. Co., Title Guaranty Bldg., for Polar Wave Ice & Fuel Co., 3638 Olive St. Archts. est. $400,000. Noted Oct. 29.

Tex., Galveston—FACTORY—Galveston Ice Cream Co., c/o L. McKelsey, 2308 K St., will build 2 story ice cream factory, brick and concrete, by day labor. $40,000. Private plans.

Tex., Marshall — ICE PLANT — Texas Pub. Serv. Co., c/o K. Lee, mgr., 1 story, 80 x 80 ft., brick, steel and rein.-con., to J. M. Pressler, Marshall, $100,000 cost plus 10%.

Wash., Seattle—PLANT—Pacific Coast Forge Co., Inc., 3800 Iowa St., 1 story, 52 x 185 ft., 62 x 120 ft., 35 x 75 ft., and 35 x 62 ft., steel additions, to Austin Co., 16112 Euclid Ave., Cleveland, O., approximately $100,000.

Buildings—Commercial

PROPOSED WORK

Mass., Attleboro — THEATRE — Eagle Bldg. Assn., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, having revised plans prepared 4 story and basement, 112 x 240 ft., brick and steel, Bank St. $350,000. Noted Dec. 31.

Conn., Guilford — THEATRE — United Theatres, Inc., c/o J. Weinstein, archt., Metropolitan Bldg., Chapel St., New Haven, having plans prepared brick and steel, Water St., here. $150,000.

Conn., Hartford—GARAGE—J. P. Nielsen & Son Co., 86 Maple St., having plans prepared 2 story, 96 x 300 ft., concrete, brick and steel, Washington St. $150,000. Private plans.

Conn., New Haven—LODGE—Masonic Temple Assn., W. A. Warner, chn. building com., plans 2 story and 2 mezzanines, lodge, Whitney Ave. Norton & Townsend, 405 Temple St., archts.

Conn., New Haven — OFFICE, etc. — Yale College having sketches made by Delano & Aldrich, 126 East 38th St., New York City, office, class rooms, etc., on campus. $900,000.

N. Y., Buffalo—OFFICE—State Building Comn., Albany, plans office building for state departments, here. $300,000.

N. Y., Long Beach—HOTEL—Wilkinson & Hyde, engrs. and archts., 19 West 44th St., New York City, preparing plans 5 story, brick, steel and stone, plain foundation. $200,000. Owner's name withheld.

N. Y., New York—HOTEL—J. Costello, c/o G. Keister, engr. and archt., 56 West 45th St., having plans prepared 15 story, brick, steel and stone, plain foundation, Park Ave. and 38th St. Archts. est. $1,300,000.

N. Y., New York—OFFICE—Standard Arcade Building Corp., 50 Bway., having plans prepared by H. C. Severance, engr. and archt., 36 West 44th St., 35 story, brick, steel and stone, plain foundation, 44 [illegible] St.

N. Y., Richmond (Ind. br. Jamaica) — THEATRE — A. Market, 144 William St., Jamaica, having plans prepared by T. R. Short, 370 Macon St., Brooklyn, 2 story, 100 x 200 ft., brick, steel and stone, plain foundation, Myrtle and Hillside Aves. $275,000.

N. J., Moorestown — BANK—Burlington County Trust Co., J. P. Hopkins, [illegible] St., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., Pa., 2 story and basement, 50 x 125 ft., steel and stone, plain foundation, 74 East Main St.

Pa., Easton—THEATRE—T. B. Hochman having plans prepared by Kirkpatrick & Martin, 220 South 16th St., Phila., 2 story, 120 x 120 ft., brick and steel, East Northampton St. $600,000.

Pa., Williamsport — THEATRE — Chamberlain-Comerford Co., J. R. Cadorot (representative), 341 Pine St., plans 2 story and basement, 120 x 140 ft., brick, steel and concrete, 4th St. $650,000.

Md., Baltimore—GARAGE—Owner, c/o F. N. Inglehart & Co., 11 East Lexington St., plans 6 story, 100 x 100 ft., brick and steel, plain foundation, Water St. between Calvert and South Sts. $300,000. Engineer and architect not selected.

W. Va., Clarksburg — OFFICE and STORE—J. G. McCrory, 1107 Bway., New York City, N. Y., plans 4 story, brick and stone, plain foundation, 320 West Main St., here. $250,000.

N. C., Charlotte — APARTMENT — J. A. Jones, pres J. A. Jones Constr. Co., Charlotte, plans 8 story and basement, 51 x 155 ft. brick and steel, East Morehead and South McDowell Sts. $500,000.

Fla., Fort Lauderdale—HOTEL—C. E. Neville & A. S. Gray, et al., Miami, having plans prepared by W. A. Bennett, Miami, 6 story hotel, Northwest 13th and 1st Sts., here. $600,000.

Fla., Gainesville—HOSPITAL—Alachua Co., election Feb. 12, $150,000 bonds, hospital.

Fla., Lakeland — HOTEL — Harneden Beach Hotel Corp., having plans prepared by R. C. Snow, 93 Linwood Ave., Atlanta, Ga., 4 story, 150 room hotel. $500,000.

Fla., Tampa—CLUB—Tampa Y. W. C. A., A. K. Dickinson, pres., plans Y. W. C. A., 601 Twigg St. $750,000. M. Manley, Miami, archt.

Fla., Tampa—HOTEL—Tampa Beach, Inc., J. R. Clark, pres., purchased site and plans 5 story, 300 room, Tampa Beach. $1,500,000.

Fla., Tampa—STORE and OFFICE—J. Maas, et al., purchased site and plan probably 8 story building, 703-705 Franklin St. $500,000.

Ala., Birmingham — FIRE HOUSES — Election Apr. 15, $300,000 bonds, 4 new fire houses.

Miss., Gulfport—BANK and OFFICE—Bank of Gulfport soon takes bids 7 story, rein.-con., brick, steel and stone, 14th St. and 25th Ave. $300,000. N. W. Overstreet, Jackson, archt. Noted Jan. 28.

Miss., Jackson—STATION—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., plans 2 story, brick and limestone passenger station, here. $250,000.

Miss., Vicksburg—HOTEL—A. H. Alvis, Jackson, having plans prepared by N. W. Overstreet, Jackson, Vicksburg Hotel, 7 story, 143 rooms, Cherry St. $500,000.

La., New Orleans — HOSPITAL — Soniat Mercy Hospital, Annunciation St., having plans prepared by Andry & Feitel, Carondlet Bldg., and soon takes bids 2 story and basement, rein.-con. and steel addition, pile foundation. $225,000.

Tenn., Nashville—OFFICE—Bennie-Dillon Realty Co., c/o W. W. Dillon, pres., 1715 Broad St., having plans prepared by Asmus & Clark, Stahlman Bldg. (2nd unit) concrete, brick and terra cotta, 7th and Church Sts. $500,000.

O., Akron—HOTEL—Portage Hotel Co., E. F. Haupt, mgr., having preliminary sketches made by Eseenwein & Johnson, 781 Ellicott Sq., Buffalo, N. Y., brick, steel and concrete hotel. $300,000.

O., Canton—BUSINESS—East Ohio Gas Co., 406 Tuscarawas St. W., plans 4 story and basement, 66 x 80 ft., 2nd St. N. W. at Dewalt St. $200,000. W. J. Morgan, local mgr.

O., Cleveland — APARTMENT — H. L. Haines, 12429 Cedar Rd., having plans prepared by R. H. Hinsdale, Erie Bldg., 3 story and basement, 67 x 125 ft., brick, Cornell Rd. $150,000.

O., Cleveland—COMMERCIAL and TEMPLE—Brooklyn Masonic Temple Co., 8841 West 25th St., had plans prepared by D. H. Farnam, The Arcade, 5 story and basement, brick, steel and concrete, West 25th St. and Garden Ave. $400,000.

See proposal advertisements on page 130, Advertising Section.

Buildings—Commercial (Continued)

O., Cleveland—HOTEL—G. J. Paul, Fidelity Mortgage Bldg., having tentative plans prepared 10 story and basement, brick, steel and concrete, East 6th St. and Superior Ave. Engineer and architect's names withheld.

O., Lakewood (br. Cleveland) — COMMERCIAL and THEATRE—H. Robbins, Hippodrome Bldg., and M. Rubin, Ulmer Bldg., both Cleveland, having revised plans prepared by Braverman & Havermaet, 208 Ulmer Bldg., Cleveland, 1 and 2 story, 115 x 240 ft., brick, steel and concrete, Madison Ave. and Hilliard Rd., here. $350,000.

O., Lorain — APARTMENT — Overlook Apartment Co., c/o E. McGeorge, archt., 3030 Euclid Ave., Cleveland, having plans prepared 4 story and basement, brick, steel and concrete, East Erie St., here. $250,000.

O., Youngstown—BANK and OFFICE—Central Savings & Loan Co., plans bank and office, Federal St. and Central Sq. $400,000.

Ind., Bloomington—LODGE—Elks Lodge, F. Matthew, chn., plans steel, stone and rein.-con., 8th and Walnut Sts. $150,000. McGuire & Shook, 320 Ind. Pythian Bldg., Indianapolis, archts.

Ind., Indianapolis — APARTMENT — Owner, c/o E. D. Logsdon, pres., 817 Traction Terminal Bldg., plans 3 story and basement, 151 x 197 ft., brick, steel and rein.-con., Virginia and McCarthy Sts. $160,000.

Mich., Detroit — COUNTRY CLUB — Cherry Hill Country Club, c/o H. T. Millar, archt., 242 West Lafayette Ave., having plans prepared 2 and 4 story, 300 ft. long, brick and steel, plain foundation. $750,000.

Mich., Detroit — COURTHOUSE — Dept. Pub. Wks., City Hall, having preliminary plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., remodeling courthouse, Antoine and Clinton Sts., incl. new 7th story to present building $121,000, 3 story wing $171,000, new wing, 3 stories finished and 3 unfinished $251,000, and remodeling 2nd floor $28,000.

Mich., Detroit—TEMPLE—Detroit Aerie 82, Order of Eagles, 1310 Temple Ave., plans rein.-con., brick and steel, plain foundation, Temple Ave. $1,000,000. Engineer and architect not selected.

Mich., Muskegon — Y.M.C.A. Building Comn., Armory-Morris Ave., having plans prepared by E. E. Valentine, Muskegon and takes bids about Apr. 1, 4 story and basement, 120 x 138 ft., rein.-con. and brick, plain foundation. $285,000. Foeller, Schober & Stephenson, 225 Adams St., Green Bay, Wis., engrs.

Ill., Chicago—APARTMENT HOTEL—J. W. Barger, et al., 1144 Thorndale Ave., having sketches made 12 story, 90 x 110 ft., Farwell and Wayne Aves. $1,200,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT—Delaware Pl. Building Corp., E. L. Berman, pres., having sketches made by J. A. Armstrong, 137 North Dearborn St., 16 story, 80 x 100 ft., apartment, Delaware Pl. near Rush St. $500,000.

Ill., Evanston — APARTMENT — A. H. Quitsow, archt., 11 South La Salle St., Chicago, making plans and takes bids about Feb. 15, 3 story and basement, 100 x 152 ft., brick, Sheridan Rd. near Keeney Ave., $150,000. Owner's name withheld.

Wis., Madison — THEATRE — Saxe Amusement Co., c/o T. Saxe, secy., 530 Grand Ave., Milwaukee, having plans prepared by Rapp & Rapp, 190 North State St., Chicago, Ill., 2 story, rein.-con., brick and steel, plain foundation, State St. $559,000.

Wis., Milwaukee—OFFICE and STORE—R. T. Maischoss, 477 Menlo Blvd., having plans prepared by A. W. Hoffmann, 86 Michigan St., 6 story and basement, 120 x 120 ft., brick and concrete, plain and wood pile foundation, Wisconsin St. $600,000. Noted Jan. 21.

Wis., Milwaukee — WAREHOUSE—Milwaukee Warehouse Co., South Water St., having plans prepared by Leenhowts & Guthrie, 424 Jefferson St., 5 story, 42 x 177 ft. and 55 x 117 ft., brick, concrete and steel, plain and wood pile foundation, South Water St. $150,000.

Minn., Rochester—CLINIC—Mayo Clinic making plans 7 or 8 story and basement, rein.-con., brick and stone clinic addition. $1,500,000. Engineer and architect not announced.

Neb., Grand Island—THEATRE—Hostetler Amusement Co., Brandeis Theatre Bldg., having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill., and takes bids after Feb. 15, brick and terra cotta theatre. $200,000.

Neb., Omaha—OFFICE—T. A. Leisen, mgr. and engr., City Hall, making plans and takes bids about Apr. 1, 4 story and basement, 18th and Harney Sts., to be used by Water & Gas Depts., for Metropolitan Utilities Dist. City Hall. $300,000. Noted Dec. 3.

Neb., Omaha — STORE — G. B. Prinz, archt., 1037 Omaha Natl. Bank Bldg., takes bids after Mar. 1, 6 story, 45 x 132 ft., brick and stone addition, 1513 Douglas St., for T. Kilpatrick Co., 1511 Douglas St. $250,000.

Neb., Omaha — THEATRE — Orpheum Circuit, c/o M. Singer, genl. mgr., 1301 Madison Park, Chicago, Ill., making plans 3 story and basement, theatre, 3,000 seating capacity, 15th and Harney Sts., here. $1,000,000. Engineer and architect's names withheld.

S. D., Watertown — COURT HOUSE — Codington Co. election Mar. 24, $200,000 bonds, 3 story and basement court house. C. D. Haywood, aud. $250,000. Engineer and architect not announced.

Mo., Kansas City—TEMPLE—Scottish Rite Temple Assn., c/o F. O. Wood, Scottish Rite Temple, 15th St. and Troost Ave., having plans prepared 3 story and basement, 250 x 250 ft., rein.-con. and stone, Linwood and Paseo Blvds. $1,500,000. Engineer and architect not announced.

Mo., St. Louis — COMMERCIAL — Local Syndicate, c/o Mississippi Valley Trust Co., 4th and Pine Sts., making preliminary plans 8 story and basement, 100 x 155 ft., brick, concrete and terra cotta, 17th St. and Locust Blvd.

Mo., St. Louis—COMMERCIAL—Owner, c/o Jost-Miller Real Estate Co., 105 North 9th St., purchased site and plans 3 story and basement, 150 x 189 ft., brick and concrete, Washington Ave.

Tex., Dallas — OFFICE — General Building Corp., c/o M. Matson, 816 Thomas Bldg., having plans prepared by A. F. Korn, 816 Thomas Bldg., 22 story and basement, 80 x 120 ft., rein.-con., brick, stone and steel, St. Paul St., Oak and Pacific Aves., $1,500,000.

Tex., San Antonio — MERCANTILE — Sears-Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., purchased site and having preliminary plans prepared 10 story and basement, 140 x 160 ft., permanent construction, 10th St. and Bway., here. $500,000. Private plans.

Tex., Vernon—HOTEL—E. O. Thompson, Amarillo, plans 5 story and basement, brick, stone and rein.-con. hotel. $240,000. Engineer and architect not selected.

Okla., Tulsa — CONVENTION HALL — City having preliminary plans prepared 3 story and basement convention hall, Boston St. $250,000. Engineer and architect not announced.

Okla., Tulsa—COURT HOUSE—Tulsa Co. making preliminary plans 3 story and basement court house, Detroit St. $300,000. Engineer and architect not selected.

Colo., Denver—THEATRE and OFFICE—United Theatres & Building Co., c/o F. Milton, Rivoli Theatre, having plans prepared by L. A. Desjardins, Colorado Natl. Bank Bldg., theatre and office building. $2,000,000.

Wash., Bellingham—MUNICIPAL—City and Whatcom Co. having preliminary plans prepared by T. F. Doan, Sunset Bldg., 4 story and basement, 100 x 240 ft., concrete and steel municipal building. $600,000.

Calif., Alameda — HOTEL — Alameda Community Hotel Corp., c/o Chamber of Commerce, plans fireproof hotel. $400,000. Engineer and architect not selected.

Calif., Fresno—THEATRE—L. L. Cory, Cory Bldg., having preliminary plans prepared by E. Mathewson, Cory Bldg., general reconstructing present theatre.

Calif., Long Beach — HOTEL and APARTMENT—J. F. Grable, c/o W. H. Austin, archt., Pacific Southwest Bldg., having preliminary plans 5 story, fireproof, West Bway. $150,000 or more.

Calif., Los Angeles—APARTMENT—Los Angeles Housing Corp., Black Bldg., had preliminary plans prepared by E. Van Den Hoven, Black Bldg., 6 story and basement, 48 x 140 ft., timber and tile, incl. swimming pool, Alvarado St. $300,000.

Calif., Los Angeles—APARTMENT and HOTEL—H. Warner, c/o L. A. Smith, archt., Film Exch. Bldg., had plans prepared 4 story and basement, 60 x 145 ft., brick, Washington Blvd. $250,000.

Calif., Los Angeles — MERCANTILE — Ralph's Grocery Co., 926 West 7th St., having plans prepared by Morgan, Walls & Clements, 1124 Van Nuys Bldg., 2 story, 150 x 200 ft., rein.-con., 7th Ave. and Washington St. $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—W. H. Fisher, Union Oil Bldg., having revised plans prepared by L. A. Smith, Film Exch. Bldg., 2 story and basement, brick and rein.-con., LaBrea Ave. near Wilshire Blvd. $350,000. Noted Dec. 31.

Calif., Oakland—MERCANTILE—Montgomery-Ward Co., 2825 East 14th St., purchased site and plans (3rd unit) of plant, fireproof, East 14th St. $150,000 or more.

Calif., Oakland — THEATRE — R. Midgley, Amer. Theatre, San Pablo Ave. and 17th St., plans theatre, 3,600 seating capacity. $1,000,000.

Calif., Oroville — LODGE — Oroville Lodge, B. P. O. E., having plans prepared by Starks & Flanders, Ochsner Bldg., Sacramento, 4 story and basement, brick and steel lodge. $250,000.

Calif., Oroville—THEATRE—Paramount Theatre Corp., c/o Starks & Flanders, archts., Ochsner Bldg., Sacramento, had plans prepared concrete and steel, 1,500 seating capacity. $250,000.

Calif., San Francisco—APARTMENT and STORE — Sbarboro-Detjeh & Jorgenson, 2300 Chestnut St., plans rein.-con., Chestnut St. near Scott St. $250,000.

Calif., San Francisco—GARAGE—Dunn-Williams Co., 156 Montgomery St., plans 8 story and basement, rein.-con., Sutter St. near Powell St. $300,000. Engineer and architect's names withheld.

Calif., San Francisco—STORE and LOFT—C. Rodoni, 312 Bush St., having revised plans prepared by E. E. Young, 2002 California St., 6 story and basement, rein.-con. store and loft building instead of hotel, Stockton St. near Bush St. $160,000. Noted Oct. 29.

Calif., Santa Monica — STORE and OFFICE — R. Garvey, Jr., 2300 West 9th St., Los Angeles, plans 5 or 6 story store and office building, Santa Monica Blvd. and 5th St., here. Engineer and architect not selected.

Ont., Ottawa—LIVE STOCK—Bd. Control plans brick or stone and steel, plain foundation, Bank St. $225,000. Engineer and architect not selected.

Ont., Ottawa—MEMORIAL—Dept. Pub. Wks. soon takes bids 3 story and basement, rein.-con. and stone, plain foundation, Lady Grey Rd., for Canadian Womens Memorial. $250,000. R. C. Wright, Dept. Pub. Wks., ch. archt.

BIDS DESIRED

Mass., Springfield — See "Contracts Awarded."

Conn., Bristol — THEATRE — Colonial Theatres, Inc., c/o A. H. Lockwood and S. A. Peters, 102 South St., New Britain, and Mowll & Rand ,archts., 21 School St., Boston, Mass., taking bids 2 story, 75 x 175 ft., brick and stone, Main St., here. $350,000. Noted Dec. 24.

Conn., Waterbury—HOME—St. Mary's Hospital, Union and Franklin Sts., taking bids 4 story and basement, 41 x 162 ft., brick and steel, South Elm St. $200,000. L. A. Walsh, 51 Leavenworth St., archt.

N. J., Newark—HALL of RECORDS, etc.—Mar. 3, by Essex Co., E. C. Ball, chn. building com., Courthouse, brick, steel and stone, plain foundation, 465 High St. $2,100,000. Runyon & Carey, Broad St., engrs. Guilbert & Betelle, Chamber of Commerce Bldg., archts. Noted Jan. 7.

Pa., Altoona—HOSPITAL—Mar. 15, by W. F. Beck, secy. Mercy Hospital Assn., 8th Ave. and 26th St., 4 story and basement, 90 x 100 ft., concrete, steel and brick addition, 26th St. and 8th Ave. $150,000. Hersh & Shollar, Commerce Bldg., archts.

Pa., Phila. — EXHIBITION — Feb. 16, Sesquicentennial Comn., at office H. T. Baxter, executive secy., 926 Widener Bldg., piling and filling for site of Pennsylvania State Building, 1 story, 225 x 330 ft. with wing 90 ft. at each end, stucco and steel, State St. and Pattison Ave. R. B. Benecker, Bellvue Bldg., archt.

N. C., Morehead City — MUNICIPAL — Feb. 23, by L. Hamilton, mayor and Bd. City Comrs., 2 story, brick, stone and stucco municipal building, etc. $150,000. Gladding Eng. Co., Wilson, engrs.

Fla., Pensacola—HOTEL—Mar. 1, by E. Weil, Inc., archts., Whitney Bldg., New Orleans, La., 18 story, fireproof annex to San Carlos Hotel, here.

O., Columbus—HORTICULTURAL and AGRICULTURAL—Mar. 2, by C. V. Truax, dir. Ohio Dept. Agriculture, State House, part 1 and part 2 story, 98 x 300 ft., brick and concrete, State Fair Grounds, $165,000. H. H. Briggs, Ohio Hartman Bldg., archt.

O., Lakewood (br. Cleveland)—STORE and APARTMENT—Apr. 1, by E. Brudno, Leader-News Bldg., Cleveland, 3 story and basement, brick and steel, Madison and Mars Aves., here. $150,000. M. Weis, Union Bldg., Cleveland, archt.

Ind., Indianapolis—WAREHOUSE—Feb. 15, by Vonnegut Hardware Co., 120 East Washington St., 6 story and basement, 101 x 195 ft., brick, steel and rein.-con. $300,000. Vonnegut, Bohn & Mueller, Indiana Trust Bldg., archts.

Wis., Kenosha—CLUBHOUSE—Lindl & Schutte, archts., 82 Wisconsin St., Mil-

See proposal advertisements on page 130, Advertising Section.

Buildings—Commercial (Continued)

waukee, taking bids 3 story and basement, 86 x 132 ft., brick, stone and concrete, plain foundation, Market St., for Kenosha Lodge 286, L. O. O. M., 406 Market St. $250,000. Noted Dec. 31.

Calif., Los Angeles—STORE—Felchin, Shaw & Franklin, archts., Commercial Exch. Bldg., taking bids 6 story and basement, 60 x 152 ft., rein.-con., Flower St., for Meyer-Siegel & Co., 617 South Bway. To exceed $250,000. Noted Jan. 28.

Calif., San Francisco — STORE and APARTMENT—See "Contracts Awarded."

BIDS RECEIVED

N. J., Jersey City — JAIL — Bd. Freeholders Hudson Co., Jan. 28, general contract 3 story, brick and steel, plain foundation, Newark Ave. and Willow Court, from W. H. and F. W. Cane, Inc., 10 Journal Sq., $1,297,228; plumbing, from E. H. Moore Co., 733 Communipaw Ave., $53,093; heating, etc., from J. H. Cooney, 210 North 4th St., Harrison, $38,900; and electrical work, from W. J. Coleman, 29 Willow Court, $29,650. Noted Jan. 7.

Ia., Des Moines—TEMPLE—Des Moines Consistory 3, c/o Secretary, 306 Masonic Temple, general contract 5 story and basement, 117 x 164 ft., rein.-con. and brick, plain foundation, 6th Ave. and Park St., from A. H. Neumann & Co., 519 Hubbell Bldg., $526,225; plumbing, heating and ventilating, from Van Dyck Plumbing & Heating Co., 1111 Walnut St., $58,900. Noted Jan. 21.

Calif., Santa Barbara — HOTEL and STORE — N. Calahan, c/o Sauter & Lockard, archts., San Marcos Bldg., 4 story and basement, rein.-con., Cota and Estado Sts., from A. Johnson, 74 New Montgomery St., San Francisco, $176,500.. Noted Dec. 24.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — APARTMENT — Forest Realty Trust, 27 School St., Boston, 4 story, 150 x 155 ft., brick, artificial stone and steel, plain foundation, Forest St., to H. Tasker, 51 Cornhill, Boston. Archts. est. $300,000.

Mass., Springfield—HOTEL—A. Freedman Real Estate Co., 214 Belmont Ave. will build 6 story and basement, 97 x 125 ft. brick and steel, Liberty St., by day labor. $190,000. J. W. Foster, 105 Bridge St., archt. Noted Oct. 29.

Conn., Hartford — THEATRE — Allyn Realty Co., R. J. Allyn, Allyn House, Asylum St., 1 story and basement, 92 x 145 ft., brick and steel, 2,000 seating capacity Asylum St. near Ann St., to R. F. Jones Co., 36 Pearl St. Archts. est. $350,000. Private plans. Noted Dec. 24.

N. Y., Mt. Vernon — APARTMENT — Hopewell Development & Impvt. Co., E. Hufnagle, pres., 50 South 2nd Ave. 7 story, brick, steel and stone, plain foundation, Rich Ave., to A. Stolz, Gramatan Ave. Archts. est. $400,000.

N. Y., New York—BANK and OFFICE—Oceanic Investing Co., A. E. Thorne, 49 Wall St., 15 story, 40 x 135 ft., brick, steel and stone, plain foundation, 1 East 42nd St., to Caldwell-Wingate Co., 381 4th Ave. Archts. est. $1,500,000.

Pa., Pittsburgh — GARAGE — William Penn Garage Co., 616 Webster Ave., general contract incl. mechanical trades, 9 story, 45 x 60 ft., and 90 x 140 ft., steel, concrete, granite stone and terra cotta, to Everett Winters Co., 1024 Book Bldg., Detroit, Mich., approximately $750,000.

N. C., Winston-Salem—OFFICE—W. M. Nissen, 18 story and basement, 100 x 123 ft., brick, steel and stone, plain foundation, 4th and Cherry Sts., to Hunkin-Conkey Co., Hunkin-Conkey Bldg., Cleveland, O. Noted Jan. 28.

Ga., Atlanta — GARAGE and SALES ROOM—C. A. Sisson, 3 story, steel, etc., garage and salesroom, to C. D. Crockett & Co., 316 Bona Allen Bldg. Archts. est. $200,000.

Fla. Fort Myers—HOTEL—C. W. Russell, et al., 10 story, 155 ft. frontage, community hotel, Anderson Ave. and McGregor Blvd., to Day & Zimmerman, 16th and Walnut Sts., Phila., Pa., $650,000.

O., Canton—THEATRE—Palace Amusement Co., 1 story, 100 x 146 ft., brick, steel and concrete, to R. G. Witters, 312 3rd St. N. W. Archts. est. $250,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., 4300 Euclid Ave., 2 story and basement, 83 x 103 ft., rein.-con. and brick, 18900 Nottingham Rd., to Crowell & Little Constr. Co., Hanna Bldg. Archts. est. approximately $150,000. Noted Jan. 14.

Ind., Indianapolis—GARAGE and STORE—Alabama & Market Realty, general contract 4 story, 60 x 195 ft., brick, steel and rein.-con., Market and Alabama Sts., to Caldwell & Pruitt Co., Peoples Bank Bldg., $150,000.

Mich., Detroit — TERMINAL WAREHOUSE—Coe Terminal Warehouse, 5620 Federal Ave., 6 story and basement, 125 x 550 ft., rein.-con. and brick, plain foundation, West Fort St., to Walbridge Aldinger Co., 2356 Penobscot Bldg. Archts. est. $3,000,000. Noted Jan. 14.

Mich., Detroit—THEATRE and OFFICE—Stair-Shubert Realty Co., Free Press Bldg., 6 story and basement, 130 x 160 ft., rein.-con., brick and steel, plain foundation, Lafayette Blvd., structural steel, to Russell Wheel & Fdry. Co., Joseph Campau Ave. and B. L. Ry.; walls, etc., to E. L. Jones, 1901 Washington Blvd. Bldg. Noted Oct. 1.

Mich., St. Clair—HOTEL—W. H. Wood, archt., Port Huron, 4 story and basement, rein.-con. and steel, plain foundation, Main St., to F. R. Patterson Constr. Co., 2021 Woodward Ave., Detroit. Archts. est. $150,000. Noted Jan. 28.

Ill., Chicago—APARTMENT—Guske & Foster, archts., 750 North Michigan Ave., masonry and concrete contract 10 story and basement, 50 x 100 ft., brick and steel, 240 East Delaware St., to A. Lindstrum, 77 West Michigan Ave.; carpentry, to A. Johnson, 4317 North Richmond Ave.; plumbing, to T. J. O'Malley, 308 West Oak St. For A. O'Rourke & Co., 111 West Washington St. Archts. est. $500,000. Noted Nov. 12.

Ill., Chicago—APARTMENT—P. Mortenson, 4804 North Kedzie Ave., general contract 4 story, 50 x 180 ft. apartment, 4630 Beacon St., to Thorgerson & Erickson, 4804 North Kedzie Ave. Archts. est. $200,000.

Ill., Fairmont City (mail East St. Louis) — CLUB — Fairmont Jockey Club, c/o R. Head, genl. mgr., Hotel Jefferson, St. Louis, Mo., steel contract 3 story, 80 x 200 ft., rein.-con., brick and steel here to St. Louis Structural Steel Co. Syndicate Trust Bldg., St. Louis, Mo. Archts. est. $150,000.

Wis., Milwaukee—BANK—Van Ryn & De Gelleke, archts., 114 Grand Ave., 4 story and basement, 62 x 110 ft., rein.-con., brick and stone, plain foundation, East Water St., to H. Danischefsky, 1484 Humboldt Ave., for Natl. Exchange Bank, 367 Bway., $375,000. Noted Nov. 12.

Wis., Oshkosh — OFFICE — Wisconsin Natl. Life Insurance Co., 14 Washington St., 3 story and basement, 77 x 103 ft., stone and concrete, plain foundation, here, to Fluor Bros. Constr. Co., 52 Otter St. Archts. est. $200,000. Noted Jan. 21.

Ia., Iowa City—MEMORIAL—Iowa Memorial Assn., R. H. Fitzgerald, chn., (2nd unit), 3 story and basement, 54 x 136 ft., rein.-con., brick and stone, on campus, to T. Stark & Co., 118 South 11th St. W., Cedar Rapids. Archts. est. $200,000. Noted Jan 21.

S. D., Redfield—COURT HOUSE—Spink Co., H. G. Joy, aud., general contract 3 story and basement, 98 x 104 ft., rein.-con., brick and stone, to Standard Constr. Co., 1111 Plymouth Bldg., Minneapolis, Minn. Archts. total est. $300,000. Noted Jan. 7.

Mo., Jefferson City—HOTEL—Central Hotel, 10 story and basement, 43 x 74 ft., brick, rein.-con. and terra cotta addition, also remodeling present 5 story and basement building, to E. Dreier & Son, Peoples Natl. Bank Bldg., Kansas City, Kan. Archts. est. $350,000.

STAIRWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., for additional stairway, 86th St. Station, Manhattan-Bronx Rapid Transit R.R., (A) Pattelli & Wilson, 6011 12th Ave., Brooklyn, (awarded contract); (B) Lawrence J. Rice, 464 Linden Blvd., Brooklyn; (C) Pairier Contracting Co., 1480 Broadway; (D) The English Construction Co., Inc., 15 West 91st St.; (E) C. Meade & Co., 217 West 14th St.; Gibbs-Rice Co., 2541 Aqueduct Ave., Bronx, $24,471; F. Persicano, 489 Lenox Rd., Brooklyn, $26,351; N. A. Deiser, 280 Madison Ave., $27,368; Ascher Engineering & Construction Co., 1457 Broadway, $31,442. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
400 cu.yd. earth excavation	$18.00	$12.00	$15.00	$ 8.75	$25.00
90 cu.yd. concrete masonry	25.00	25.00	28.00	35.00	40.00
50 cu.yd. protective concrete masonry	28.00	25.00	20.00	39.20	50.00
15 cu.yd. removal of concrete masonry	34.00	30.00	50.00	35.00	60.00
3 sq.yd. vitrified brick lining for sewers	15.00	10.00	10.00	25.00	40.00
400 sq.yd. waterproofing (c) 3-ply	2.00	3.00	2.25	1.50	3.20
12 sq.yd. (f) 6-ply	5.00	6.00	4.00	2.25	6.00
60 lin.ft. c.i. pipe (a) 3-ply	1.00	2.00	3.00	1.40	7.00
50 lin. ft. (c) 6-ply	2.00	4.00	5.00	2.10	10.00
10 lin.ft. gavanized steel pipe (c) 6-ply	3.00	4.00	5.00	5.00	7.00
6.5 ton riveted steel	150.00	125.00	175.00	160.00	200.00
0.75 ton steel rods and bars	120.00	100.00	120.00	168.00	200.00
1 ton miscellaneous iron castings	150.00	200.00	175.00	163.00	350.00
50 sq.yd. street surfaces restored (a) within curb lines	4.00	1.00	4.00	4.90	9.00
60 sq.yd. street surfaces restored (e) asphalt between curbs	6.00	5.00	6.50	6.30	12.00
1 ton c.i. sewer pipe (straight)	60.00	200.00	200.00	150.00	275.00
0.5 ton. c.i. sewer pipe (special)	100.00	200.00	400.00	225.00	400.00
10 lin.ft. flat top reinforced concrete sewers (a) 3 ft. 6 in. x 2 ft. 4 in.	20.00	15.00	50.00	8.40	35.00
6-ton new c. i. hub and spigot straight pipe	30.00	150.00	125.00	120.00	200.00
3 ton new c. i. hub and spigot special pipe	50.00	250.00	300.00	180.00	300.00
1,200 sq.ft. W. G. tile, 3 x 6 in. (a) straight	1.20	2.00	1.50	1.54	2.60
10 sq.ft. (c) 2½ in. radius	2.50	5.00	3.00	2.80	4.00
10 sq.ft. (d) 20 in. radius	2.50	5.00	3.00	2.80	4.00
350 sq.ft. w. p. vitreous or semi-vitreous colored tile (a) straight	2.20	2.50	2.00	2.80	4.00
10 sq.ft. (c) 2½ in. radius	3.50	6.00	4.00	4.20	5.00
10 sq.ft. (d) 20 in. radius	3.50	6.00	4.00	4.20	5.00
10 sq.ft. Mosaic bands	5.00	5.00	10.00	4.20	5.00
10 sq.yd. plastering (a) concrete brick or h.t.	2.00	3.00	1.50	1.75	4.00

See proposal advertisements on page 130, Advertising Section.

	A	B	C	D	E
5 sq.yd. (b) metal lath	$2 20	$4.00	$2 00	$1 75	$5 00
10 sq.ft. cement floors, etc. (a) wainscot and bases	50	1 00	1 50	39	1 30
420 sq.ft. (c) 3-in. floor fin	60	50	70	31	80
30 sq.ft. (d) finish on brick, concr. h.t.	50	30	70	28	60
30 cu.ft. concrete work (a) coping	2 00	1 50	2 00	1 68	2 50
210 ft. tread concrete stairs, etc. (c) supported stairs	2 00	2 00	1 25	2 52	4 00
65 sq.ft. (d) supported stairs landings	80	1 50	1 00	39	2 60
120 sq.ft. (f) non-slip treads	2 00	1 50	3 00	2 10	2 50
65 lin.ft. (g) cement bases, wall strings	80	50	1 00	43	1 30
7 cu.ft. brick masonry (c) common brick	3 00	4 00	3 00	2 10	3 00
300 cu.ft. h. t. masonry (b) 3-in.	1 30	2 00	1 50	1 40	1 30
40 cu.ft. (c) 4-in.	1 00	2 00	2 00	1 40	1 20
30 weep holes in h. t.	50	50	1 00	28	70
10 galv. strap anchors	1 50	50	3 00	49	1 20
5 sq.yd. metal lath (a) without furring	1 20	1 00	1 00	1 65	6 00
1 masonry change booths (a) type "IB"	1,000 00	1,000 00	800 00	1,330 00	1,500 00
1 temporary wooden change booth	200 00	200 00	200 00	210 00	500 00
15 sq.ft. kalamein doors, (k) type "K"	4 00	4 00	3 00	100 00	6 00
25 sq.ft. brackets, frames and access (g) enameled sign plates	2 00	2 00	3 00	2 10	5 00
25 lin.ft. street railings (b) type "KI"	22 00	25 00	12 00	23 80	40 00
80 lin.ft. oak handrails	2 00	1 00	1 00	2 45	4 00
265 lin.ft. steel electric conduits (a) ¾-in.	40	50	30	56	80
105 lin.ft. (b) 1-in.	40	1 00	50	63	90
26 c. i. outlet boxes	2 00	3 00	1 50	2 10	4 00
3 c. i. pull boxes (f) 6 in. x 6 in. x 4 in.	7 00	8 00	20 00	8 40	12 00
1 (o) 4 in. x 4 in. x 2 in	2 00	8 00	10 00	8 40	10 00
2 floor drainage fittings (b) c. i. covers	20 00	10 00	10 00	14 00	25 00
2 (c) cleanout boxes	20 00	20 00	10 00	14 00	20 00
1 steel, panel board box (i) 27 in. x 6 in. x 53 in.	90 00	25 00	75 00	98 00	125 00
450 sq.ft. painting plaster, concrete (c) 2 coats on plaster	20	10	10	14	10
Cutting, removing steel 86 st. sta. subdiv. No. 9 (lump sum)	250 00	200 00	150 00	455 00	600 00
Dismember, remove, transport wooden ticket booth 86 St. Sub. No. 14 (lump sum)	150 00	50 00	100 00	175 00	350 00
Remove, clean, reset brick plaster band Subdiv. No.14 (lump sum)	200 00	350 00	300 00	175 00	500 00
Extended totals	$21,967	$22,374	$23,245	$23,416	$38,231

Buildings—Commercial (Continued)

Mo., St. Louis—HOME—La Beaume & Klein, archts., Compton Bldg., 3 story and basement, 134 x 180 ft., rein.-con., brick and stone, Locust St., to H. M. Edmunds Building Co., 114 North 17th St., for Womens Christian Home, 1815 Washington Ave. Noted Jan. 21.

Mo., St. Louis—HOSPITAL—Le Beaume & Klein, archts., Compton Bldg., 8 story and basement, 90 x 150 ft., rein.-con., brick and stone, Kingshighway, to J. Hill Constr. Co., Syndicate Trust Bldg., for St. Louis Maternity Hospital, 4518 Washington Blvd. Archts. est. $500,000.

Mo., University (St. Louis P. O.) — APARTMENT — M. Goldman, Title Guaranty Bldg., St. Louis, 3 story and basement, 100 x 102 ft., rein.-con., brick and stone, to V. A. Chinberg, 808 Chestnut St., St. Louis. Archts. est. $150,000.

Tex., Ft. Worth—BUSINESS—Van Zandt Jarvis, Jarvis Heights, 3 story and basement, brick, stone, steel and rein.-con., 4th and Houston Sts., to J. T. Taylor, 1209 Burk Burnett Bldg., $181,290. F. W. Woolworth & Co., c/o C. C. Foster, dist. mgr., 906 Main St., lessee.

Okla., Guymon — COURT HOUSE and JAIL—Texas Co., 4 story and basement, 83 x 84 ft., rein.-con., brick and stone, plain foundation, to Kreipke-Schafer Constr. Co., Herskowitz Bldg., Oklahoma City, $211,500. Archts. est. $250,000.

Calif., Lankershim—THEATRE, OFFICE and STORE — L. A. Smith, archt., Film Exch. Bldg., Los Angeles, 75 x 200 ft., and 100 x 200 ft., brick, steel and rein.-con., here, to A. C. Perkinson, 3977 South Vermont Ave., Los Angeles, for Hollywood Theatres, Inc., 7425 Sunset Blvd., Los Angeles. $175,000. Noted Jan. 7.

Calif., Los Angeles—CLUB—P. R. Williams, archt., Stock Exch. Bldg., 4 story and basement, 100 x 100 ft., rein.-con., 28th St. and Paloma Ave., to W. Slater Co., 2314 Santa Fe Ave., for Y.M.C.A. $128,650. Noted Jan. 21.

Calif., Los Angeles — STORE and APARTMENT — J. C. Rives, 525 Rives-Strong Bldg., 7 story and basement, 98 x 100 ft., rein.-con., Pico St. and Westchester Pl., to C. A. Fellows, Central Bldg., $350,000. Noted Jan. 28.

Calif., San Francisco—APARTMENT—J. Perry, 6 story and basement, concrete and steel, Eddy St. near Leavenworth St., to Helbing Co., 916 Van Ness Ave., $150,000.

Calif., San Francisco — STORE and APARTMENT — R. McLeran Co., et al., Hearst Bldg., will build 2 story, brick and steel, Mission and 16th Sts., by day labor. $200,000. Private plans.

Buildings—Educational, Religious

PROPOSED WORK

R. I., Providence—CHURCH—Wesleyan Church of Nazarene, Globe and Beacon Sts., plans 1 story and basement, brick and steel, Niagara and Ontario Sts. $150,000. Engineer and architect not selected.

R. I., Providence—SCHOOL—City, W. E. Hartwell, chn., having plans prepared by T. J. Hill Pierce, 30 Allens St., new grammar school addition, Veazie St. $600,000.

R. I., Providence—SCHOOLS—City, Pub. Building Dept., City Hall, having plans prepared by T. J. Hill Pierce, 30 Allens St., additions to Technical Trade and George West Schools. To exceed $150,000.

Conn., Bridgeport — SCHOOL — City, School Bd., having plans prepared by E. G. Southey, 983 Broad St., 2 story and basement, brick and steel addition, Boston Ave. and Huntington Rd. $175,000.

N. Y., Corning — HIGH SCHOOL — Bd. Educ., takes bids about Mar. 15, brick, steel and stone, plain foundation, Kingsburg Ave. $350,000. P. Rogers, 101 Park Ave., New York City, archt.

Conn., Waterbury—SCHOOL—St. Peters and Pauls Parish, soon lets contract, 2 story and basement, brick and steel, Beacher Ave. $150,000. O'Connell & Shaw, 134 Newburg St. Boston, Mass., archts. Noted Mar. 19.

N. Y., Flushing—SYNAGOGUE—Flushing Free Synagogue, Amity St., having plans prepared by M. Courland, engr. and archt., 366 5th Ave., New York City, 2 story, brick, steel and stone, Sanford and Jamaica Aves. $250,000.

N. Y., Greenwich — SCHOOL — Village having plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, rein.-con. and brick, plain foundation, Main St. $225,000.

N. Y., Laurel Hill (mail Flushing) — SCHOOL — St. Theresa of the Child Jesus Roman Catholic Church, having plans prepared by F. L. Berlenbach, engr. and archt., 260 Graham Ave., Brooklyn, 5 story, 60 x 125 ft., brick, steel and stone, plain foundation, Locust St., here. $200,000.

N. Y., Long Beach—SCHOOL—Bd. Educ. takes bids about Feb. 17 (extended date), brick, steel and stone, plain foundation, Neptune Blvd. and Chester Ave. $175,000. H. L. Smith, 25 West 44th St., New York City, archt. Noted Dec. 17.

N. Y., Newburgh—HIGH SCHOOL—Bd. Educ., having plans prepared by A. F. Gilbert, 358 5th Ave., New York City, 3 story, brick, steel and stone, plain foundation. $400,000.

N. Y., Troy — LIBRARY — Rensselaer Polytechnic Institute, having plans prepared 3 story, 78 x 180 ft., rein.-con., brick and steel, plain foundation, 15th St. $150,000. Private plans.

Pa., South Williamsport (Williamsport P. O.)—SCHOOL—School Dist., W. Wise, secy., plans 3 story and basement, 80 x 100 ft., brick and steel school. $200,000. Engineer and architect not selected.

Md., Baltimore—HOME—Bureau Catholic Charities, 415 Cathedral St., E. L. Leonard, pastor, had plans prepared by G. R. Callis, Jr., Hearst Tower, 3 story and basement, 40 x 145 ft., brick and steel, plain foundation, Roland Ave. $150,000.

Tenn., Nashville—COLLEGE—Southern College of Y. M. C. A., Wesley Hall, W. D. Weatherford, pres., having preliminary plans prepared by H. C. Hibbs, Amer. Trust Bldg., training school building, 21st Ave. $500,000. Noted May 21.

O., Cleveland — DORMITORY, etc. — Laurel School for Girls, S. E. Lyman, pres., 197 East 97th St., having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., brick dormitory, recitation, music and kindergarten buildings, East 97th St. $350,000.

O., Fairport Harbor (br. Painesville) — SCHOOL—St. Anthony of Padua Roman Catholic Church, Z. Demko, pastor, having plans prepared by A. F. Foose & G. Fox, 6523 Euclid Ave., Cleveland, 2 story and basement, 80 x 120 ft., brick and metal lumber school. $150,000.

Ind., Indianapolis — HIGH SCHOOL — St. Peter and St. Paul Cathedral, J. Chartrand, bishop, 1347 North Meridian St., plans high school, 14th and Meridian Sts. $1,000,000.

Mich., Detroit—MEDICAL COLLEGE—Bd. Educ., 1354 Bway. Ave., having plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 3 story and basement, rein.-con., brick and steel, plain foundation, St. Antoine St. $375,000. Noted May 23.

Mich., Detroit—SCHOOLS—Bd. Educ., 1354 Broadway Ave., plans rein.-con., brick and steel schools, plain foundations, on Hawthorne-Lantz Site $904,960, Elmira-Meyers St. $468,437, on Ravenswood Site, Yellowstone Ave. $445,084, and Pembroke Site, Pembroke Ave., $445,084; intermediate schools at Playfield 5, Luce St. and Conant Rd., $904,960; Detroit Teachers College, West Grand Blvd., $1,867,642; additions to A. L. Holmes School, Georgia Ave. $334,607, to Greenfield-Park School, Brush St. $219,140, and to Eastern High School, East Grand Blvd., $222,966; (1st unit) school,

See proposal advertisements on page 130, Advertising Section.

Buildings—Educational, Religious (Cont.)

Lakewood-Leipsic site $174,400, and on Hildale-Packard site, $176,437; (2nd unit) school on Boynton site $292,000, MacCulloch site $270,800, on Clarke site $292,000, Fitzgerald site $292,000, and on Goodale site $270,800. Engineer and architect not selected.

Mich., Detroit — TRADE SCHOOL — Bd. Educ., 1354 Bway. Ave., plans 2 story and basement, rein.-con., brick and steel, foundation. $242,000. Engineer and architect not selected.

Mich., Kingsford Heights (Iron Mountain P. O.)—SCHOOLS—Voted $600,000 bonds, 2 story and basement, brick, tile and concrete, grade schools and addition to high school, for Bd. Educ., Breitung Twp., J. Roth, secy. P. E. & G. F. Parmelee, Iron Mountain, archts.

Ill., Centralia — SCHOOL — Bd. Educ. plans 3 story school. $185,000.

Ill., Chicago — HIGH SCHOOL — Bd. Educ., 646 South Clark St., rejected bids Dec. 15, Hutchinson Junior High School, 3 story and basement, 245 x 475 ft., rein.-con. and brick, plain foundation, Wellington St. and Nordica Ave. $1,200,000. Project may be abandoned. Noted Nov. 26.

Wis., Racine—SCHOOL—Soon lets contract 2 story and basement, 74 x 128 ft., brick, tile and concrete, plain foundation, for St. Edwards Congregation, 1330 Grove Ave. $150,000. Noted Aug. 13.

Ia., Charles City—SCHOOL—Election Feb. 18, $250,000 bonds, 3 story and basement, rein.-con. and brick school. A. R. Eggert, supt. Bd. Educ.

S. D., Brookings — LIBRARY — T. W. Dwight, chn. Bd. Regents, Sioux Falls, plans library at State College, here. $250,000.

Mo., St. Louis—SCHOOLS—Bd. Educ., 911 Locust St., having tentative plans prepared by R. M. Milligan, building comr., c/o owner, 18 room and kindergarten unit, West Belle Pl.; 1,300 pupil unit, Kingshighway and St. Louis Ave.; additional class room and shop units, Mullanphy School; auditorium and shop units, Blow School; intermediate school, 19th St. and Cass Ave.; 18 room and kindergarten unit, Shaw Tract; 12 room and kindergarten unit in Dist. between Union, Clara, Natural Bridge and North Market Sts.; also 8 room and kindergarten unit, Kennard School site, and Lindewood Dist.

Tex., Dallas—HIGH SCHOOL—DeWitt & Lemmon, archts., 507 South West Life Bldg., take bids about Mar. 25, East Dallas High School, 3 story, 230 x 240 ft., brick, stone and rein.-con., Glasgow St. opposite Randall Park, for Bd. Educ., c/o C. M. Moore, secy., Akard and Royal Sts. $550,000.

Tex., Greenville — CHURCH — First Baptist Congregation, c/o A. A. Duncan, pastor, plans brick, stone and rein.-con. church, Crockett and Pickett Sts. $200,000. Engineer and architect not selected.

Calif., Beverly Hills—SCHOOL—Beverry Hills School Dist. having plans prepared by Gable & Wyant, 634 South Western Ave., Los Angeles, 2 story and basement, brick grammar school. $150,000.

Calif., Riverside—SCHOOL—Plans election $1,000,000 bonds, for schools.

Calif., San Leandro — CONVENT and SCHOOL — St. Marys Convent had plans prepared by J. J. Foley, 770 5th Ave., San Francisco, 2 story each, rein.-con., convent and school. $150,000.

Ont., Newmarket — HIGH SCHOOL — High School Bd., W. J. Patterson, chn., having plans prepared by Burden & Gouinlock, 101 King St. W., Toronto, 2 story and basement, rein.-con., brick and steel addition, plain foundation, Prospect Ave. $150,000.

Ont., Toronto — HIGH SCHOOL — Bd. Educ., having plans prepared by C. E. Dyson, 155 College St., High School of Commerce, 3 story and basement, rein.-con., brick and steel, plain foundation. $500,000.

Ont., Toronto—LIBRARY—Library Bd., 226 College St., plans 2 story, concrete, stone and brick, plain foundation. $260,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Winchester—SCHOOL—Feb. 16, by Town, C. R. Main, chn., 2 story and basement, brick and steel, Highland Ave. $150,000. Derby & Robinson, 3 Joy St., Boston, archts. Noted Dec. 24.

Conn., Torrington—CHURCH—Feb. 15, by St. Mary's Church, J. P. Kowelski, pastor, Forest Court, 1 story and basement, 60 x 115 ft., granite, Union St. $200,000. J. A. Jackson, 185 Church St., New Haven, archt. Noted May 28.

N. J., Maplewood (br. South Orange)—HIGH SCHOOL — Feb. 27, by Bd. Educ. School Dist. of South Orange and Maplewood, Essex Co., High School Bldg., Academy St., South Orange, 3 story and part basement, 300 x 300 ft., rein.-con., brick and steel, here. Guilbert & Betelle, Chamber of Commerce Bldg., Newark, archts.; adv. E. N.-R. Feb. 11.

Miss., Laurel—HIGH SCHOOL—Feb. 24, by M. W. McLaurin, mayor, Junior High School, 3 story, brick. $200,000.

O., Dayton—SCHOOL—Mar. 8, by Bd. Educ., C. J. Schmidt, clk.-treas., 307 Ludlow Bldg., Wilbur Wright Junior High and Elementary School, 2 story, rein.-con. and brick, plain foundation, Huffman St. $300,000. Herman & Brown, 1129 Reibold Bldg., archts.

O., Ravenna—CHURCH—Feb. 18, by W. Jansen, archt., 1227 Prospect Ave., Cleveland, for Immaculate Conception Church. 1 story, 62 x 118 ft., brick and stone, $150,000. Noted June 11.

Mich., Detroit—MEDICAL COLLEGE—Feb. 19, by C. A. Gadd, pres. Bd. Educ., 1354 Bway. Ave., (1st unit) 6 story and basement, 65 x 116 ft., rein.-con. and brick, plain foundation, Mullet and St. Antoine Sts. $375,000. Donaldson & Meier, 1310 Penobscot Bldg., archts.

Mich., Detroit—SCHOOL—Feb. 23, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway., 2 story and basement, rein.-con., brick and steel, plain foundation, Martin St. and McGraw Ave., $800,000. Malcolmson & Higginbotham, 1217 Griswold St., archts.

Ill., Chicago—SCHOOL—Feb. 23, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., Dr. Walter S. Christopher School for Crippled Children, 1 story and basement, 210 x 210 ft., brick and terra cotta, West 51st St. and South Artesian Ave. $500,000. J. C. Christensen, 650 South Clark St., archt.

Wis., Watertown — HOME — Bethesda Lutheran Home for Feeble Minded and Epileptic, L. Pingel, supt., plans 3 story and basement, brick and concrete, plain foundation. $160,000. Engineer and architect not selected.

Minn., Minneapolis—SCHOOL—Feb. 19, by Bd. Educ., C. F. Womrath, bus. mgr., 305 City Hall, (2nd unit) 3 story and basement, rein.-con., brick and stone addition, 14th St. and Spruce Pl. $150,000. Bureau of Buildings, Div. of Design & Inspection, c/o owner, archts. Noted Dec. 10.

Calif., Los Angeles—SCHOOLS—Feb. 17, by Bd. Educ., 2 story, 115 x 233 ft., fireproof, 17th and Georgia Sts., Train & Williams, Western Mutual Life Bldg., archts.; and part 2 and 3 story, brick and stucco, Griffin Ave., G. S. Underwood, 720 South Los Angeles St., archt. Noted Dec. 17.

Calif., San Francisco—SCHOOL—Feb. 24, by Bd. Pub. Wks., general contract Edison School, fireproof, Dolores St. between 22nd and 23rd Sts. $279,000. J. Reid, Jr., city archt.

BIDS RECEIVED

Pa., Phila.—HIGH SCHOOL—J. D. Cassell, supt. buildings, 19th and Chestnut Sts., Junior High School, 4 story and basement, 159 x 268 ft., brick and concrete, plain foundation, 66th and Elmwood Sts., general contract, from Cramp & Co., Denckla Bldg., $1,028,307; plumbing and heating, from S. Faith & Co., 2427 Penn. Ave., $46,864 and $93,993 respectively; and electrical work, from E. F. Goldhahn, 8619 Crothers St., $63,552, for Bd. Educ.

Pa., Phila.—HIGH SCHOOL—J. D. Cassell, supt. buildings, Feb. 2, Junior High School, 4 story and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, 26th and Cumberland Sts., general contract, from Cramp & Co., Denckla Bldg., $1,011,956; plumbing, from L. J. Sommer & Son, 2436 Brown St., $45,934; electrical work, from E. F. Goldhahn, 8619 Crothers St., $61,738; and heating, from S. Faith & Co., 2427 Penn. Ave., $93,993, for Bd. Educ. Noted Jan. 28.

Minn., Minneapolis—BOTANY—State Bd. Administration & Finance, Capitol Bldg., St. Paul, general contract 3 story and basement, rein.-con., brick and stone, at University, here, from Madsen Constr. Co., 527 2nd Ave. S. $170,600. Noted Jan. 21.

CONTRACTS AWARDED

Mass., Somerville (br. Boston)—DORMITORY—Tufts College, Medford Hillside, 3 story, brick and steel dormitory, to J. Driscoll & Son Co., 94 Washington St., Brookline. Archts. est. $200,000.

N. J., Totowa (mail Paterson)—DORMITORIES — B. G. Lewis, comr., at office Division Architecture & Construction, 643 Broad St., Newark, general contract group 25 buildings, incl. dormitories, recreation, administration, etc., at Training School for Feeble Minded Females, here, for State Bd. Institutions & Agencies, Trenton, to C. J. Smith Constr. Co., 204 Academy St., Trenton, $1,173,834; plumbing, to G. J. Tobin, 187 North Ave., Plainfield, $99,997; heating, to J. H. Cooney, Harrison, $73,800; and electrical work, to Hoffman & Elias, 50 West 51st St., New York City, N. Y., $66,900. Grand total $1,414,531. Noted Jan. 28.

Ind., Indianapolis — CHEMICAL LABORATORY—Swan-Myers Co., R. M. Cain, pres., 219 North Senate Ave., general contract 4 story, 66 x 128 ft., brick, steel and rein.-con., 215 North Senate St., to Cornell Eng. Co., 2611 Cornell Ave. Archts. est. $150,000. Noted Jan. 7.

Mich., Ferndale (br. Detroit)—SCHOOLS—Bd. Educ., general contract Roosevelt School, 2 story and basement, 12 room, concrete, brick and stone, to M. B. Hungerford, Pontiac, $80,094; Wilson School, 1 story, 7 room, brick and steel, to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $47,406; and Forest Grove School, 1 story addition, brick and concrete, to C. F. Erb, Pontiac, $40,400. Grand total $167,900.

Mich., Jackson—HIGH SCHOOL—Bd. Educ., J. F. Clark, secy., 16 West Wesley St., general contract 3 story and basement, rein.-con., brick and steel, plain foundation, Wildwood and Winthrop Sts., to H. G. Chrissman Co., Porter Apts., Lansing. Noted Dec. 31.

Ind., Richmond — SCHOOL — Bd. City Trustees, general contract brick, steel and rein.-con., to R. C. Bryant, Franklin, $164,000.

Tex., Wichita Falls—HIGH SCHOOL—Bd. Educ., c/o W. W. Brown, secy., Junior High School, 3 story, 104 x 137 ft., rein.-con., brick and stone, Polk and Taylor Sts., Aves. G. and H., to J. H. Reddick, Abilene, $144,300. Noted Jan. 14.

Okla., Tulsa — CHURCH — First Baptist Church, 4th and Cincinnati Sts., O. W. Anderson, pastor, 1 story, balcony and mezzanine, 90 x 140 ft., 2,250 seating capacity, rein.-con., brick and steel, 4th and South Cincinnati Sts., to Rucks & Brandt, Mid-Continent Bldg., $202,900. Archts. est. $250,000.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Medical School—Dept. of Interior, takes bids about Mar. 1, medical school at Howard University. $370,000.

La., Reserve—Dock—Inland Waterways Corp., 321 Custom House Bldg., New Orleans, making revised plans pile and timber dock, on Mississippi River, here.

BIDS DESIRED

D. C., Wash.—Cable, Transformers, etc. —Feb. 19, at office A. L. Flint, genl. purch. officer, Panama Canal, supplies listed in Circular 1721, incl. cable transformers, etc.

Ga., Macon—Mailing Shelter—Feb. 26, by Treas. Dept., at office Supervising Archt., Wash., D. C., mailing shelter at U. S. Post Office, here; adv. E. N.-R. Feb. 11.

Ky., Louisville — Cement — Mar. 9, by U. S. Engineers Office, P. O. Box 72, approximately 110,000 bbl. portland cement; adv. E. N.-R. Feb. 11.

CONTRACTS AWARDED

D. C., Wash. — Bridge — Arlington Memorial Bridge Comn., C. O. Sherrill, executive officer, Navy Bldg., 6 piers and 4 abutments for Arlington Memorial Bridge over Potomac River, cofferdam construction, to H. P. Converse, 161 Devonshire St., Boston, Mass., $1,299,000 (550 days). Noted Jan. 14.

Ala., Mobile—Water Pipe—Treas. Dept., at office Supervising Archt., Wash., D. C., submarine water pipe and electric cables for proposed Quarantine Station, Sand Island, near here, from Virginia Eng. Co., Newport News, Va., $15,887. Noted Jan. 28.

Ala., Tuskegee — Recreation — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 52 x 132 ft., brick, at U. S. Veterans Hospital, here, to Batson-Cook Co., West Point, Ga., $54,070 (10 months). Noted Feb. 4.

Ky., Louisville—Lime—U. S. Engineer Office, Box 72, 1,180 tons hydrated lime for Dams 45, 46, 50, 52, 53, in Ohio River, to Natl. Mortar & Supply Co., Federal Reserve Bldg., Pittsburgh, Pa., $14,035. Noted Dec. 31.

See proposal advertisements on page 130, Advertising Section.

Unclassified

PROPOSED WORK

Elimination Grade Crossing — Chatham, N. Y.—Bureau Highways, Albany, making plans bridging, grading, etc., for elimination of grade crossing at New York Central R.R. tracks, here. $700,000. A. W. Brandt, Albany, comr. highways.

Power Line — North Carolina — Neuse River Electric Co., New Bern, T. A. Frantham, pres., plans extending lines to Ft. Barnwell and Dover, also line to Vanceboro and one into Pamlico Co. $25,000.

Gas Mains, etc.—Gadsden, Ala.—Southern Gas & Power Co. making surveys improving gas plant, also lines to adjoining cities and towns. To exceed $25,000. Sanderson & Porter Co., 52 William St., New York City, engrs.

Swimming Pool—Brownswells (mail Wesson), **Miss.**—Brownswells Hotel Co. having plans prepared by S. Stone, Jr., & Co., 714 Union St., New Orleans, La., 50 x 150 ft. concrete swimming pool, incl. dressing rooms, etc.

Tank and Sprinkler—Hattiesburg, Miss.—Bd. Directors Hattiesburg Compress Co., F. L. Matthews, pres., plans plant addition, incl. 100,000 gal. steel tank and standard automatic sprinkler.

Sand and Gravel Plant—Nashville, Tenn.—C. M. Hughes & Co., 826 3rd Ave. N., plans new sand and gravel plant, also E. W. Cooper, engrs., 509 Dietrick St., in market for conveyors, screens, crushers, etc.

Swimming Pool — Cleveland Heights (Warrensville P. O.), **O.**—City, H. H. Canfield, city mgr., having plans prepared by A. D. Taylor, 4614 Prospect Ave., Cleveland, 1 story, concrete swimming pool, Mayfield Rd. $75,000.

Animal Husbandry—Wooster, O.—Dept. Welfare, 9th and Oak Sts., rejected bids Jan. 13, 3 story, 38 x 100 ft., fireproof animal husbandry building. Will readvertise. Noted Dec. 31 under "Buildings—Industrial."

Swimming Pool — Sheboygan, Wis. — Sheboygan Aerie F. O. E., c/o W. Keil, pres., 2037 North 8th St., plans rein.-con. swimming pool and lockers in basement of clubhouse. Engineer not selected. Noted Jan. 28 under "Buildings—Commercial."

Power Plant—East Grand Forks, Minn.—Otter Tail Power Co., C. S. Kennedy, genl. mgr., Fergus Falls, takes bids about Apr. 1, installing power plant incl. two 2,000 hp. units. $400,000. G. W. Welch, Fergus Falls, engr. Noted Dec. 31.

Street Lighting System — Minneapolis, Minn.—Bd. Park Comrs., C. E. Doell, secy., City Hall, making plans new park lighting system. $215,000. A. E. Berthe, City Hall, engr.

Transmission Line—Texas—West Texas Utilities Co., Abilene and San Angelo, making plans high power transmission line from San Angelo to Carlsbad, Mullen and Seven Mile Bridge. $200,000. Private plans.

Gas System — Duncan, Okla. — Voted $250,000 bonds, natural gas system, securing supply 18 mi. from city, 33 mi. 2- to 8-in. steel pipe, etc. Z. Z. Rogers, Duncan, engr. Noted Jan. 21.

Hydro-Electric Development — Seattle, Wash. — City Light Dept., filed application with R. K. Tiffany, supervisor hydraulics for reservoir permit and water rights for $11,000,000 expansion Skagit River hydro-electric project, incl. dam 350 ft. high, 800 ft. long on top and 100 ft. long on bottom, spanning Diablo Canyon, also reservoir impounding 90,000 acre ft. and submerging 700 acres 100 to 320 ft. deep, cost. $3,000,000.

Rock Crushing Plant—Chico, Calif.—J. E. Johnston, Stockton Savings & Loan Bank Bldg., Stockton, plans rock crushing plant on 340 acre site, several miles south of here. $125,000.

Stadium—Fresno, Calif.—Plans election $50,000 bonds, stadium on 10 acre site, Blackstone Ave.

Subway — Fresno, Calif. — Fresno Co. made plans concrete paving and constructing concrete subway under tracks of Atchison, Topeka & Santa Fe R.R. To exceed $60,000. A. Segel, Griffith-McKenzie Bldg., engr.

Swimming Pool—Los Angeles, Calif.—See "Buildings—Commercial."

Memorial — Ottawa, Ont. — Dept. Pub. Wks., Ottawa, soon takes bids National War Memorial, Connaught Pl. $150,000. R. S. Wright, Ottawa, engr.

Subway—Toronto, Ont.—City plans reconstructing subway, under Canadian Natl. Ry. tracks, at Carlaw Ave. and Gerrard St. $312,000. R. C. Harris, City Hall, engr.

BIDS DESIRED

Platform Extensions—Brooklyn, N. Y.—Feb. 25, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, extending station platforms of the Bway.-4th Ave. Rapid Transit R.R., Group 4, here.

Sand and Stone Hopper—Newark, N. J.—Feb. 13, at office T. L. Raymond, dir. Dept. Pub. Affairs, City Hall, steel lined sand and stone hopper, at city asphalt plant, Passaic St. and Passaic River.

Silo and Shop—Detroit, Mich.—Feb. 17, by Dept. Pub. Wks., 1 story, 37 x 37 ft., rein.-con. silo and shop addition to asphalt plant, Western Yard. P. A. Fellows, City Hall, engr.

Culverts—Atlantic, Ia.—Feb. 16, by J. M. Ward, aud. Cass Co., 8 circular and 7 box concrete culverts. G. F. Cannon, Atlantic, engr.

Fish Hatchery — Tyler, Tex. — T. E. Hubby, game, fish and oyster comr., Austin, taking bids fish hatchery, incl. 2,000 ft. mains, valves, septic tank, one 12,000 gal. corrugated galvanized iron water tank, 150 ft. storm sewer, bridge over channel from Greenbrier Lake, etc., here. $25,000. J. J. White, Tyler, engr.

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, J. A. Delaney, chn., 49 Lafayette St., Feb. 5, subway Route 78, Sect. 8, along and under Fort Washington Ave., from S. B. Mason, 7 West 60th St., **(A1)** $1,976,190 **(A2)** $1,977,780 **(B1)** $1,967,641 and **(B2)** $1,969,231. Noted Jan. 7.

Grade Separation—Michigan—State Hy. Dept., at office comrs. Monroe Co., Monroe, Dec. 18, Grade Separation 5,804,003, under Detroit & Ironton R.R. tracks, from Closser Bros., 8427 Senator Ave., Detroit, $73,988.

CONTRACTS AWARDED

Foundations—West Hartford (br. Hartford), **Conn.**—St. Thomas the Apostle, J. F. Calahan, pastor, foundations for 1 story and basement, 65 x 170 ft., brick and steel church, Farmington Ave., to H. Wales Lines, 134 State St., Meriden, $99,347. Noted Dec. 31 under "Buildings—Educational, Religious."

Refrigerating Plant—New York, N. Y.—Bd. Trustees, Bellevue & Allied Hospitals, J. J. McGrath, chn. at office, Genl. Medical Supt., 415 East 26th St., refrigerating plant, etc., in power plant of Bellevue Hospital, foot East 29th St., to Shipley Constr. & Supply Co., 42nd St. and 2nd Ave., Brooklyn. Noted Jan. 28.

Swimming Pool—Yonkers, N. Y.—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, rein.-con. swimming pool, at Tibbetts Brook Park, here, Contr. 78 and 79, to Schuten & Van Damburg, 139 East 21st St., New York City, $83,989. Noted Jan. 21.

Scales Building—Altoona, Pa.—Pennsylvania R.R. Co., Broad St. Sta., Phila., general contract 2 story, 35 x 80 ft. scales building, here, to T. J. Foley Co., 424 4th Ave., Pittsburgh. Engrs. est. $150,000.

Coliseum—Coral Gables, Fla.—Coliseum Corp., J. K. Dorn, pres., Coral Gables, brick, steel and stone coliseum, plain foundation, 7,000 seating capacity, to Thompson-Starrett Co., 250 Park Ave., New York City, N. Y. Archts. est. $1,000,000.

Coal Trestle — Milwaukee, Wis. — Milwaukee-Western Fuel Co., 120 Wisconsin St., timber coal trestle, to Klug & Smith, 69 Wisconsin St. Engrs. est. $35,000.

Police and Fire Alarm Systems—Milwaukee, Wis.—Central Bd. Purchases, J. W. Nicholson, ch. buyer, 75 combination police and fire alarm posts, to Fire & Police Alarm Post Co., 550 Maryland Ave., $9,975. Noted Jan. 14.

Materials

PROPOSED WORK

Road Oil — Minneapolis, Minn. — A. P. Erickson, aud. Hennepin Co., plans to purchase 250,000 gal. road oil. J. W. Shaffer, Court House, co. surv.

Cast Iron Pipe—Blackwell, Okla.—See "Waterworks."

BIDS DESIRED

Sand Grit—New York N. Y.—Feb. 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 cu.yd. sand grit, and 3,000 cu. yd. concrete and paving sand. Former bids rejected. Noted Feb. 4.

Creosoted Ties—Phila., Pa.—Mar. 2, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., approximately 1,735,000 ft. mostly southern yellow pine creosoted ties; adv. E. N.-R. Feb. 11.

Cement—Detroit, Mich.—Feb. 11, by W. J. Black, comr. Purchases & Supplies, Marquette Bldg., 20,000 tons more or less asphaltic cement, to Dept. Pub. Wks., f.o.b. Detroit.

Pig Lead—Chicago, Ill.—Feb. 18, by City, Room 406, City Hall, 100 tons pig lead at various pipe yards. A. A. Sprague, comr.

Pipe—North Dakota—Feb. 23, by State Hy. Dept., Pierre, 1,040 lin.ft. 15 in., 26,417½ lin.ft. 18 in., 8,877½ lin.ft. 24 in., 2,915 lin.ft. 30 in. and 235 lin.ft. 36 in. rein.-con. pipe for approximately 400 mi. highway construction.

Wires—Hamilton, Ont.—W. L. McFaul, city engr., in market 50,000 conduit high tension wires.

BIDS RECEIVED

Sand Grit—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 4, 10,000 cu.yd. sand grit, from Ames Building Material Co., 3437 Kingsbridge Rd., $16,300. Noted Jan. 28.

Paving Blocks, etc.—Milwaukee, Wis.—Central Bd. Purchases, Feb. 1, 7,000 more or less sq.yd. creosoted paving blocks, 16 lb. treatment, from E. J. Stocking Co., 111 Washington Ave., Chicago, Ill., at $2.09 per sq.yd. Noted Jan. 28.

Paving Materials—Minneapolis, Minn.—F. S. Gram, city purch. agt., Jan. 25, 50,000 bbl. Portland cement, from Landers-Morrison-Christensen Co., 800 Builders Exch., $2.42 per bbl. on cars with 10 cents cash discount; 4,000,000 paving bricks, from Purington Paving Brick Co., 133 West Washington St., Chicago, Ill., $39.70 per M; 2,000 tons asphaltic cement, from Standard Oil Co. of Indiana, 1937 South East 4th St., $21.70 per ton; 300 tons paving pitch and 50,000 gal. refined tar, from Barrett Co., 1 19th Ave. S., $23.02 per ton, and $0.1145 per gal. respectviely; 16,000 tons traprock, from Trap Rock Co., Dresser Junction, Wis., ¼ in. $1.25, and ⅝ in. $2.25. Noted Jan. 21.

CONTRACTS AWARDED

Course Aggregate, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 4,000 cu.yd. course aggregate, to Calvin Tompkins Co., 30 Church St., $8,560; 600 tons asphaltic joint filler, to Standard Oil Co. of New York, 26 Bway., $12,936, 20,000 bags Portland cement, to P. Solomone, 1358 Brook Ave., $13,900; 50,000 five in. granite paving blocks, to J. Meehan, 90 West St., $6,725; 4,000 tons inorganic dust, to E. Meyer & Co., 25 Church St., $18,880; and iron castings to Corporation Yards, to Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $2,824. Grand total $63,825. Noted Feb. 4.

Tarvia — Detroit, Mich. — Dept. Street Railways, St. Jean and Shoemaker Aves., 300,000 gal. Tarvia X, and 25,000 gal. Tarvia A, to Barrett Co., Zug Island Rd., at $0.155 per gal., total $50,375.

Portland Cement — Milwaukee, Wis. — Central Bd. Purchases, 20,000 more or less bbl. Portland cement, to Forrer Lime, Cement & Coal Co., foot Humboldt Ave., at $2.64 per bbl.

Cement—Minnesota—State Hy. Dept., St. Paul, 274,230 bbl. cement, to Universal Portland Cement Co., 836 Security Bldg., Minneapolis; 101,420 bbl., to Lehigh Portland Cement Co., Mason City, Ia.; 56,630 bbl., to Northwest States Portland Cement Co., Mason City, Ia.; 37,360 bbl., to Cutler-Magner Co., 1114 Fidelity Bldg., Duluth; and 30,290 bbl., to Interstate Lumber Co., Stillwater. Approximately $1.80 per bbl. plus freight for delivery at various points. Noted Jan. 14.

Sewer Pipe—Minneapolis, Minn.—F. S. Gram, city purch. agt., various sizes vitr. sewer pipe, to Landers-Morrison-Christenson Co., 800 Builders Exch. Noted Jan. 7.

See proposal advertisements on page 130, Advertising Section.

Entering an Era of Railway Prosperity—

ON EVERY HAND the evidence is clear that the railways of the United States have entered into an era of prosperity unparalleled since the days of the World War. Estimates of capital expenditures during the current year range from three-quarters of a billion to almost a billion dollars.

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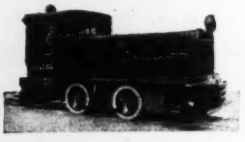

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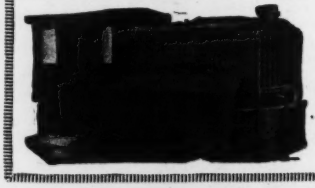

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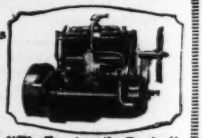

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